

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF FISH AND GAME

FISH BULLETIN 125

THE CALIFORNIA MARINE FISH CATCH FOR 1962

BY THE BIOSTATISTICAL SECTION
MARINE RESOURCES OPERATIONS



1964



FIGURE 1

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FOREWORD

Catch bulletins provide records of California's commercial fisheries and their value to fishermen. They also summarize the marine party-boat anglers' catch.

The report for 1962 is the 22nd in the series. Prior records have been published regularly beginning with those for 1926 and 1927. In recent years, catch bulletins have been published annually instead of biennially.

Records are obtained from each wholesale fish dealer or processor who receives fish from fishermen or who processes fish. Partyboat operators record each trip's catch, and these records are also sent to the Department. Clerical personnel in strategic locations, Eureka, San Francisco, Monterey, Terminal Island, and San Diego, maintain contact with fish dealers and local Fish and Game wardens to insure that our records are accurate and transmitted promptly. All data are edited and subsequently processed by electric accounting machines.

Published figures are of national and international concern, but they are used primarily by fisheries scientists and legislators to manage and regulate California's important fisheries. Chambers of commerce, members of the fishing industry, educators, and others also find these catch statistics of value in meeting their respective needs.

EXPLANATION OF TABLES

The tables in this report summarize the recorded 1962 landings of the California commercial fishing fleet, the imports from other states or foreign countries of fresh fish received for processing, and the catches of the partyboat fleet. Fish shipped into California that are utilized in a fresh state are not reported to the Department nor recorded in the tables.

SOURCE OF DATA

All commercial fish landing and import data are recorded on a sales slip or receipt which is completed by a fish dealer at the time of delivery, and transmitted to the Department. The dealer is required by law to include the following information on the receipt:

- (1) the weight of each species received
- (2) the price paid to the fisherman
- (3) the date
- (4) name of the fisherman
- (5) Department of Fish and Game registration number of boat
- (6) name of the dealer
- (7) an indication as to the disposition of the fish (canned, fresh, etc.).

In addition, area of catch and type of gear used by the vessels are reported for most landings.

Receipts of landings prepared by each dealer are sent to the Department twice each month. The documents are edited, and the data punched on cards are summarized with electric accounting machines.

Marine partyboat catch statistics are obtained from records of each fishing trip. The partyboat skipper is required by law to transmit the records to the Department each month.

STATISTICAL AREAS

California is divided into seven areas for the purpose of reporting fisheries statistics. Each statistical area is named for a major port within its boundaries. Figure 1 shows the boundaries of the areas. Department personnel are responsible for the collection and inventory of landing receipts in each statistical area.

SPECIES

The species of fish landed or shipped into California are listed in Table 1. Both common and scientific names are given. Some varieties are reported collectively when, for economic or other reasons, dealers do not report a specific separation. One example is the animal food category which consists of a variety of trawl-caught fish. In an attempt to determine the species comprising animal food landings, a sampling program has been conducted by biologists of the Department's Bottom-

fish Investigation. Based on their findings, the estimated weight each species contributed in the 1962 animal food category is:

<i>Species</i>	<i>Percent</i>	<i>Pounds</i>
Rockfish -----	31.9	599,660
Pacific hake -----	16.9	317,688
Sablefish -----	16.4	308,289
Arrowtooth flounder -----	8.7	163,544
Rex sole -----	8.7	163,544
Dover sole -----	7.8	146,625
English sole -----	3.0	56,394
45 other species -----	6.6	124,067
	100.0	1,879,811

CONDITION

Most of the fish and shellfish landed in California are in a round condition; however, some species such as salmon and swordfish are eviscerated or cleaned before landing. The condition of fish landed and shipped into the State cannot always be determined; therefore, the weights summarized in the tables are as reported to the Department without regard to condition.

CONVERSIONS

Landings reported by units of measure other than pounds are equated to pounds by using appropriate conversion factors. Conversion factors are determined periodically by sampling landings at delivery points. The factors applied to eight species of mollusks and crustaceans during 1962 were:

Abalone, red -----	50 pounds per dozen
Abalone, pink -----	25 pounds per dozen
Abalone, green -----	35 pounds per dozen
Clams, Mexican Pismo -----	8 pounds round weight per 1 pound cleaned weight
Clams, Washington -----	7 pounds per dozen
Crab, market -----	2 pounds each
Oyster, eastern -----	30 pounds per 100 oysters
Oyster, giant Pacific -----	50 pounds per 100 oysters

VALUE

The value recorded is computed from prices paid to the fishermen. Values, therefore, reflect the contribution of the fishermen to the total worth of the fisheries. When the price paid for an individual landing is not specified, the average price for the species in the area in which it was landed is used.

TABLE 1

Common and Scientific Names of Fishes, Crustaceans, and Mollusks in the 1962 Catch

Common name	Scientific name	Common name	Scientific name
FISHES			
Anchovy	<i>Engraulis mordax</i>	Shark	
Barracuda, California	<i>Sphyraena argentea</i>	Brown Smooth-	
Bass, rock		hound	<i>Triakis henlei</i>
Kelp bass	<i>Paralabrax clathratus</i>	Leopard	<i>Triakis semifasciata</i>
Sand bass	<i>Paralabrax nebulifer</i>	Pacific angel	<i>Squatina californica</i>
Bonito, Pacific	<i>Sarda chiliensis</i>	Souppin	<i>Galeorhinus zyopterus</i>
Cabezon	<i>Scorpaenichthys marmoratus</i>	Spiny dogfish	<i>Squalus acanthias</i>
Cabrilla, spotted	<i>Epinephelus analogus</i>	Thresher	<i>Alopias vulpinus</i>
Carp	<i>Cyprinus carpio</i>	Small amounts of	
Croaker, white	<i>Genyonemus lineatus</i>	others	
Small amounts of		Sheephead, California	<i>Pimelometopon pulchrum</i>
queenfish	<i>Scorpaenopsis</i>	Sierra	<i>Scomberomorus sierra</i>
Dolphinfish	<i>Coryphaena hippurus</i>	Skate	
Flounder		Big	<i>Raja binoculata</i>
Starry flounder	<i>Platichthys stellatus</i>	California	<i>Raja inornata</i>
Small amounts of		Longnose	<i>Raja rhina</i>
other flatfishes		Small amounts of	
Flounder, arrowtooth	<i>Atheresthes stomias</i>	others	<i>Rajiformes</i>
Plyngfish	<i>Cypselurus</i> spp.	Smelt	
Greenling, kelp	<i>Hexagrammos decagrammus</i>	Grunion	<i>Leuresthes tenuis</i>
Grouper	<i>Mycteroperca</i> spp.	Jacksmelt	<i>Atherinopsis californiensis</i>
Hake, Pacific	<i>Merluccius productus</i>	Surf	<i>Hypomesus pretiosus</i>
Halfmoon	<i>Medialuna californiensis</i>	Topsmelt	<i>Atherinops affinis</i>
Halibut, California	<i>Paralichthys californicus</i>	Smelt, whitebait	<i>Allosmerus elongatus</i>
Halibut, Pacific	<i>Hippoglossus stenolepis</i>		<i>Spirinchus starksi</i>
Hardhead		Young of several others	
Sacramento black-		Sole	
fish	<i>Orthodon microlepidotus</i>	Dover	<i>Microstomus pacificus</i>
Hardhead	<i>Mylopharodon conocephalus</i>	English	<i>Parophrys vetulus</i>
Herring, Pacific	<i>Clupea pallasii</i>	Petrale	<i>Eopsetta jordani</i>
Herring, Pacific Round	<i>Etrumeus acuminatus</i>	Rex	<i>Glyptocephalus zachirus</i>
Lingcod	<i>Ophiodon elongatus</i>	Sand	<i>Psettichthys melanostictus</i>
Mackerel, jack	<i>Trachurus symmetricus</i>	Small amounts of	
Mackerel, Pacific	<i>Scomber diego</i>	others	
Opaleye	<i>Girella nigricans</i>	Splittail	<i>Pogonichthys macrolepidotus</i>
Perch	Members of family Embiotocidae	Sturgeon	<i>Acipenser</i> spp.
Pompano, Pacific	<i>Palometa simillima</i>	Swordfish	<i>Xiphias gladius</i>
Rockfish	All species of <i>Sebastes</i> and <i>Seb-</i>	Tomcod, Pacific	<i>Microgadus proximus</i>
	<i>tolobus</i>	Tuna	
Sablefish	<i>Anoplopoma fimbria</i>	Albacore	<i>Thunnus alalunga</i>
Salmon		Bigeye	<i>Thunnus obesus</i>
King	<i>Oncorhynchus tshawytscha</i>	Bluefin	<i>Thunnus thynnus</i>
Silver	<i>Oncorhynchus kisutch</i>	Oriental	<i>Thunnus orientalis</i>
Sanddab	<i>Citharichthys sordidus</i>	Skipjack	<i>Katsuwonus pelamis</i>
Sardine	<i>Sardinops caeruleus</i>	Yellowfin	<i>Thunnus albacares</i>
Sculpin	<i>Scorpaena guttata</i>	Turbot	
Sea bass, giant	<i>Stereolepis gigas</i>	Curlfin	<i>Pleuronichthys decurrens</i>
Seabass, white	<i>Cynoscion nobilis</i>	Diamond	<i>Hypsopsetta guttulata</i>
Shad	<i>Alosa sapidissima</i>	Hornyhead	<i>Pleuronichthys verticalis</i>
		Small amounts of	
		others	
		Wahoo	<i>Acanthocybium aolanderi</i>
		Whitefish, ocean	<i>Caulolatilus princeps</i>
		Yellowtail, California	<i>Seriola dorsalis</i>
CRUSTACEANS			
Crab, market	<i>Cancer magister</i>	Prawn	<i>Pandalus platyceros</i>
Crab, rock	<i>Cancer productus</i>	Shrimp, bay	<i>Crango franciscorum</i>
	<i>Cancer antennarius</i>		<i>Crango nigricauda</i>
	<i>Cancer anthonyi</i>	Shrimp, ocean	<i>Pandalus jordani</i>
Lobster, spiny	<i>Panulirus interruptus</i>	Small amounts of	
		others	
MOLLUSKS			
Abalone		Mussel	<i>Mytilus</i> spp.
Pink	<i>Haliotis corrugata</i>	Octopus	<i>Paroctopus apollyon</i>
Red	<i>Haliotis rufescens</i>	Oyster	
Green	<i>Haliotis fulgens</i>	Eastern	<i>Crassostrea virginica</i>
White	<i>Haliotis sorenseni</i>	Giant Pacific	<i>Crassostrea gigas</i>
Clam		Sea Snail	<i>Polinices</i> spp.
Gaper	<i>Tresus nuttalli</i>		<i>Kelletia kelletii</i>
Jackknife	<i>Tagelus californianus</i>	Squid	<i>Loligo opalescens</i>
Pismo	<i>Tivela stultorum</i>		
Washington	<i>Saxidomus nuttalli</i>		

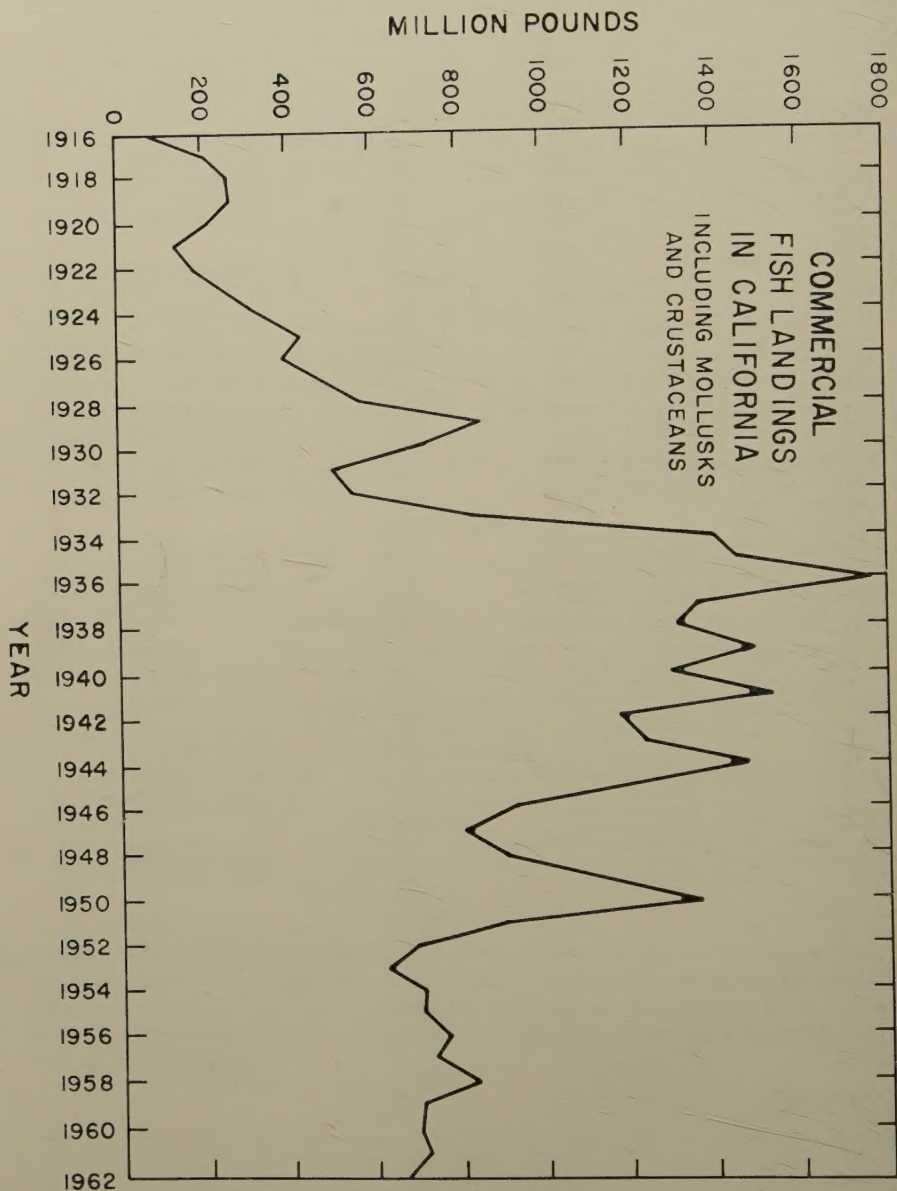


FIGURE 2. Total annual landings and shipments into California. Includes sardine deliveries to reduction ships 1930-38 (see Table 2).

TABLE 2

Total Annual Landings and Shipments Into California of Commercial Fish, Mollusks, and Crustaceans, Includes Sardine Deliveries to Reduction Ships During 1930 Through 1938

Year	Thousands of pounds	Year	Thousands of pounds
1916	95,003	1941	1,529,148
1917	209,877	1942	1,173,414
1918	261,134	1943	1,234,049
1919	266,270	1944	1,459,446
1920	222,004	1945	1,216,467
1921	135,348	1946	919,850
1922	182,343	1947	795,499
1923	253,875	1948	900,540
1924	340,446	1949	1,135,325
1925	437,502	1950	1,366,596
1926	394,964	1951	904,088
1927	487,166	1952	694,977
1928	583,527	1953	618,899
1929	856,854	1954	713,406
1930	702,189	1955	710,714
1931	502,390	1956	772,549
1932	556,139	1957	738,550
1933	821,805	1958	832,919
1934	1,390,799	1959	713,491
1935	1,448,017	1960	694,663
1936	1,764,900	1961	725,253
1937	1,362,984	1962	663,107
1938	1,310,596		
1939	1,486,535		
1940	1,297,517		

TABLE 3

Landings and Shipments of Leading Species Ranked by Pounds

1961				1962			
Species	Rank	Thousands of pounds	Thousands of dollars	Species	Rank	Thousands of pounds	Thousands of dollars
Yellowfin tuna	1	262,310	\$35,036	Yellowfin tuna	1	218,149	\$36,478
Jack mackerel	2	97,606	2,029	Skipjack	2	99,059	12,742
Skipjack	3	86,748	9,536	Jack mackerel	3	89,979	1,869
Albacore	4	59,414	10,310	Albacore	4	73,354	13,261
Pacific mackerel	5	44,110	954	Pacific mackerel	5	48,579	1,027
Sardine	6	43,169	1,146	Bluefin tuna	6	32,916	4,638
Bluefin tuna	7	22,004	2,855	Sardine	7	15,363	490
Market crab	8	11,711	1,981	Giant Pacific oyster	8	11,044	302
Rockfish	9	10,831	587	Rockfish	9	9,834	574
Squid	10	10,286	231	Squid	10	9,368	168
Giant Pacific oyster	11	10,047	291	Dover sole	11	8,581	517
Salmon	12	8,992	4,927	Salmon	12	6,884	4,195
Pacific bonito	13	8,513	218	English sole	13	4,206	303
Dover sole	14	7,827	457	Abalone	14	4,183	593
Anchovy	15	7,712	110	Market crab	15	3,223	872
Abalone	16	4,554	607	Petrals sole	16	3,041	362
Miscellaneous (animal food)	17	3,777	75	Anchovy	17	2,764	50
English sole	18	3,646	261	Pacific bonito	18	2,150	63
Petrals sole	19	3,391	389	Sablefish	19	2,150	140
Sablefish	20	2,030	176	Miscellaneous (animal food)	20	1,880	37
All others	--	16,575	2,038	All others	--	16,400	2,242
Totals	--	725,253	\$74,214	Totals	--	663,107	\$60,923

TABLE 4
Number of Licensed Commercial Fishermen

Area of residence	License year*	
	1961-1962	1962-1963
Eureka.....	1,321	1,211
Sacramento.....	128	151
San Francisco.....	1,229	1,198
Monterey.....	696	651
Santa Barbara.....	627	706
Los Angeles.....	2,287	2,332
San Diego.....	1,589	1,800
Alaska, Washington and Oregon fishermen licensed in California.....	500	465
Mexican nationals licensed in California.....	43	70
Other.....	14	16
Totals.....	8,434	8,600

* April 1 to March 31.

TABLE 5
Number of Registered Fishing Boats by Length

License year*	Up to 24 feet	25 to 39 feet	40 to 64 feet	65 to 84 feet	85 to 99 feet	100 feet and over	Total
1961-1962.....	830	1,725	1,048	123	44	102	3,872†
1962-1963.....	845	1,729	1,032	108	37	103	3,854‡

* April 1 to March 31.

† The owners of 544 boats were issued fishing party licenses in 1961-62.

‡ The owners of 523 boats were issued fishing party licenses in 1962-63.

TABLE 6

Origin of Shipments of Fresh Fish Into California During 1962

Shipped from: Species	Pounds shipped to each area					Total pounds
	Eureka	San Francisco	Monterey	Los Angeles	San Diego	
Continental United States:						
Tuna, bluefin	---	---	---	465,877	---	465,877
Tuna, skipjack	---	---	---	511,912	---	511,912
Tuna, yellowfin	---	26,350	---	9,398	---	35,748
Miscellaneous	---	---	---	100,980	---	100,980
Oregon, Washington, Canada and Alaska:						
Sablefish	---	---	---	74,449	---	74,449
Salmon	3,350	---	---	178,354	---	179,704
Shad	---	---	---	40,114	---	40,114
Smelt	---	---	12,240	---	---	12,240
Sturgeon	---	---	---	6,692	---	6,692
Miscellaneous	---	---	---	72,687	---	72,687
Mexico and Central America:						
Bonito, Pacific	---	---	---	---	15,000	15,000
Shark	---	---	---	8,093	---	8,093
Tuna, albacore	---	---	---	962,686	60,547	1,023,233
Tuna, bluefin	---	---	---	646,504	---	646,504
Tuna, skipjack	---	---	---	1,341,500	---	1,341,500
Tuna, yellowfin	---	---	---	2,613,916	---	2,613,916
Yellowtail, California	---	---	---	---	9,059	9,059
Mollusk:						
Clam, Pismo	---	---	---	464,280	---	464,280
South America:						
Tuna, albacore	---	9,182	---	38,936	---	48,118
Tuna, bigeye	---	6,820	---	---	---	6,820
Tuna, bluefin	---	---	---	---	4,000	4,000
Tuna, skipjack	---	---	---	1,550	3,728,472	3,730,022
Tuna, yellowfin	---	304,448	---	1,025,363	8,066,265	9,396,076
New Hebrides:						
Tuna, albacore	---	784,880	---	1,020,313	---	1,805,193
Tuna, bigeye	---	9,050	---	---	---	9,050
Tuna, yellowfin	---	354,780	---	167,601	---	522,381
Japan:						
Sablefish	---	---	---	60,000	---	60,000
Salmon	---	---	---	31,381	---	31,381
Tuna, albacore	---	3,066,791	---	25,831,575	1,664,096	30,562,462
Tuna, bigeye	---	634,967	---	503,051	---	1,138,018
Tuna, oriental	---	194,000	---	10,297	---	204,297
Tuna, skipjack	---	412,214	---	341,360	---	753,574
Tuna, yellowfin	---	19,362,345	---	58,104,983	1,056,344	78,523,672
Australia:						
Shark	---	---	---	2,536	---	2,536
Tuna, bluefin	---	500,040	---	99,060	---	599,100
China (Formosa):						
Tuna, bigeye	---	45,435	---	---	---	45,435
Tuna, yellowfin	---	550,415	---	---	---	550,415
Malaya:						
Tuna, albacore	---	22,124	---	---	---	22,124
Tuna, bigeye	---	174,752	---	---	---	174,752
Tuna, yellowfin	---	426,307	---	---	---	426,307
Africa:						
Tuna, albacore	---	22,654	---	3,247,970	---	3,270,624
Tuna, bigeye	---	97,967	---	---	---	97,967
Tuna, skipjack	---	---	---	1,425	---	1,425
Tuna, yellowfin	---	334,008	---	1,725,632	---	2,059,640
Total pounds	3,350	27,339,529	12,240	99,708,475	14,603,783	141,667,377

TABLE 7

Origin of Commercial Fish Landings and Volume of Shipments Into California During 1962

Species	Landings of catches from				Shipments*	Grand total
	California waters	Waters north of State	Waters south of State	Total pounds		
Fish:						
Anchovy.....	2,764,003	----	----	2,764,003	----	2,764,003
Barracuda, California.....	521,769	----	224,707	746,476	----	746,476
Bass, rock.....	----	----	1,470	1,470	----	1,470
Bonito, Pacific.....	2,071,998	----	62,904	2,134,902	15,000	2,149,902
Cabazon.....	2,474	----	----	2,474	----	2,474
Cabrilla, spotted.....	----	----	28,858	28,858	----	28,858
Carp.....	220,972	----	----	220,972	----	220,972
Croaker, white.....	687,633	----	----	687,633	----	687,633
Dolphinfish.....	33	----	212	245	----	245
Flounder.....	333,883	4,309	----	338,192	----	338,192
Flounder, arrowtooth.....	53,003	323	----	53,326	----	53,326
Flyingfish.....	14,364	----	----	14,364	----	14,364
Greenling, kelp.....	581	----	----	581	----	581
Grouper.....	----	----	311,091	311,091	----	311,091
Hake, Pacific.....	76,355	2,175	----	78,530	----	78,530
Halfmoon.....	8,536	----	----	8,536	----	8,536
Halibut, California.....	776,077	----	87,009	863,086	----	863,086
Halibut, Pacific.....	3,546	----	----	3,546	----	3,546
Hardhead.....	128,230	----	----	128,230	----	128,230
Herring, Pacific.....	1,305,569	----	----	1,305,569	----	1,305,569
Herring, Pacific round.....	4,250	----	----	4,250	----	4,250
Lingcod.....	1,048,818	62,995	391	1,112,204	----	1,112,204
Mackerel, jack.....	89,978,933	----	----	89,978,933	----	89,978,933
Mackerel, Pacific.....	48,578,391	----	429	48,578,820	----	48,578,820
Opaleye.....	1,674	----	----	1,674	----	1,674
Perch.....	164,873	----	242	165,115	----	165,115
Pompano, Pacific.....	35,990	----	----	35,990	----	35,990
Rockfish.....	9,181,683	211,411	441,299	9,834,393	----	9,834,393
Sablefish.....	1,948,538	66,699	----	2,015,237	134,449	2,149,686
Salmon.....	6,672,717	144	----	6,672,861	211,085	6,883,946
Sanddab.....	676,011	3,900	----	679,911	----	679,911
Sardine.....	15,303,952	----	59,000	15,362,952	----	15,362,952
Sculpin.....	57,707	----	244	57,951	----	57,951
Sea bass, giant.....	8,188	----	438,021	446,209	----	446,209
Seabass, white.....	208,867	----	365,541	574,408	----	574,408
Shad.....	----	----	----	----	40,114	40,114
Shark.....	723,472	----	29,705	753,177	10,629	763,806
Sheephead, California.....	15,341	----	4,986	20,327	----	20,327
Sierra.....	----	----	95	95	----	95
Skate.....	182,127	----	51	182,178	----	182,178
Smelt.....	339,498	----	----	339,498	12,240	351,738
Smelt, whitebait.....	188,357	----	----	188,357	----	188,357
Sole, Dover.....	7,510,185	1,070,906	----	8,581,091	----	8,581,091
Sole, English.....	4,121,309	84,739	----	4,206,048	----	4,206,048
Sole, petrale.....	2,867,322	173,842	----	3,041,164	----	3,041,164
Sole, rex.....	1,381,079	27,166	----	1,408,245	----	1,408,245
Sole, sand.....	193,944	2,621	----	196,565	----	196,565
Sole, miscellaneous.....	68,444	----	----	68,444	----	68,444
Splittail.....	1,580	----	----	1,580	----	1,580
Sturgeon.....	----	----	----	----	6,692	6,692
Swordfish.....	31,043	----	8,014	39,057	----	39,057
Tomcod, Pacific.....	375	----	----	375	----	375
Tuna, albacore.....	32,046,366	----	4,576,009	36,622,375	36,731,754	73,354,129
Tuna, bigeye.....	----	----	----	----	1,472,042	1,472,042
Tuna, bluefin.....	17,039,651	----	14,160,300	31,199,951	1,715,481	32,915,432
Tuna, oriental.....	----	----	----	----	204,297	204,297
Tuna, skipjack.....	----	----	92,721,036	92,721,036	6,338,433	99,059,469
Tuna, yellowfin.....	40	----	124,020,715	124,020,755	94,128,155	218,148,910
Turbot.....	80,123	260	----	80,383	----	80,383
Wahoo.....	----	----	23,508	23,508	----	23,508

TABLE 7—Continued

Origin of Commercial Fish Landings and Volume of Shipments Into California During 1962

Species	Landings of catches from				Shipments*	Grand total
	California waters	Waters north of State	Waters south of State	Total pounds		
Fish:—Continued						
Whitefish, ocean	2,320	---	9,682	12,002	---	12,002
Yellowtail, California	37,066	---	151,355	188,421	9,059	197,480
Miscellaneous	4,463	---	69	4,532	173,667	178,199
Miscellaneous (animal food)	1,787,533	92,278	---	1,879,811	---	1,879,811
Crustacean:						
Crab, market	3,222,580	---	---	3,222,580	---	3,222,580
Crab, rock	200,304	---	---	200,304	---	200,304
Lobster, spiny	515,816	---	1,206	517,022	---	517,022
Prawn	694	---	---	694	---	694
Shrimp, bay	1,075	---	---	1,075	---	1,075
Shrimp, ocean	1,782,955	---	---	1,782,955	---	1,782,955
Shrimp, unclassified	2,624	---	---	2,624	---	2,624
Mollusk:						
Abalone	4,183,181	---	---	4,183,181	---	4,183,181
Clam, gaper	480	---	---	480	---	480
Clam, jackknife	4,458	---	---	4,458	---	4,458
Clam, Pismo	---	---	---	---	464,280	464,280
Clam, Washington	3,185	---	---	3,185	---	3,185
Clam, unclassified	270	---	---	270	---	270
Mussel	7,613	---	---	7,613	---	7,613
Octopus	13,236	---	---	13,236	---	13,236
Oyster, eastern	95,100	---	---	95,100	---	95,100
Oyster, giant Pacific	11,043,732	---	---	11,043,732	---	11,043,732
Sea snail	605	---	---	605	---	605
Squid	9,368,149	---	---	9,368,149	---	9,368,149
Total pounds	281,907,313	1,803,768	237,728,149	521,439,230	141,667,377	663,106,607

* For origin of shipments refer to Table 6.

TABLE 8
Monthly Landings and Shipments Into California During 1962

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS:													
Fish:													
Anchovy	367,200	103,845	186,834	157,871	163,015	433,675	247,278	145,669	305,871	438,960	125,076	88,709	2,764,003
Barracuda, California	89,018	40,270	117,640	54,436	115,030	121,773	44,059	5,328	15,952	32,567	84,810	25,584	746,476
Bass, rock	---	930	---	540	---	---	---	---	---	---	---	---	1,470
Bonito, Pacific	210,364	132,054	40,448	44,887	39,004	26,146	108,261	243,562	41,979	222,475	322,273	703,419	2,134,902
Cabezon	399	158	---	---	22	---	45	387	451	653	30	329	2,474
Cabrilla, spotted	15,950	220	---	1,807	---	---	---	---	---	---	1,730	9,142	28,858
Carp	9,821	26,872	22,248	11,025	24,992	22,653	14,815	11,429	17,455	18,360	220,972	15,273	220,972
Croaker, white	30,293	26,668	35,388	39,844	204,315	33,847	90,313	45,094	88,704	30,905	50,233	12,029	687,633
Dolphinfish	---	212	---	---	---	---	---	33	---	---	---	---	245
Flounder	46,955	61,185	33,091	6,147	18,208	16,426	21,453	42,923	55,096	19,484	9,292	7,932	338,192
Flounder, arrowtooth	388	802	3,912	8,932	11,939	7,166	10,721	7,100	1,514	748	104	---	53,326
Fluyngfish	---	---	---	---	108	---	8,070	5,116	1,070	---	---	---	14,364
Greenling, kelp	155	---	---	30	68	288	---	40	---	---	---	---	581
Grouper	29,326	44,308	14,200	739	10,140	3,981	10,400	4,355	1,320	29,423	73,043	90,576	311,091
Hake, Pacific	---	---	2,175	---	18,035	27,575	28,780	645	---	---	---	---	78,530
Halibut	76,469	65,145	116,856	73,720	47,248	25,190	59,277	610	1,522	---	---	6,404	8,636
Halibut, California	---	---	---	---	---	---	---	78,934	62,226	91,212	77,672	89,137	863,086
Halibut, Pacific	---	---	---	---	620	232	2,042	429	---	---	---	---	3,546
Hardhead	5,026	25,686	8,820	7,681	20,795	7,643	230	30	---	12,335	17,330	22,644	128,230
Herring, Pacific	759,602	100,944	5,758	142,086	232,579	41,083	22,202	500	---	---	---	815	1,305,569
Herring, Pacific round	---	---	---	---	95,232	---	21,077	---	135,100	---	4,250	---	4,250
Longcod	76,276	68,496	37,814	80,919	72,232	127,336	221,077	144,235	135,100	56,834	32,653	43,232	1,112,204
Mackerel, jack	10,423,307	3,455,163	4,608,060	4,318,228	7,986,938	7,019,375	2,895,017	608,144	1,113,169	20,040,653	20,490,653	7,720,215	89,978,933
Mackerel, Pacific	6,034,584	3,383,593	860,350	1,267,279	4,021,417	2,200,005	3,226,585	4,697,675	1,842,322	11,645,742	6,176,238	3,223,050	48,578,820
Opaleye	---	---	---	---	24	---	---	---	387	---	---	1,263	1,674
Perch	18,903	10,686	32,137	38,708	595	---	9,744	9,223	18,813	8,217	9,051	9,108	165,115
Pompano, Pacific	250	35	506	1,147	1,650	862	10,114	16,371	41,229	829	48	40	35,990
Rockfish	986,712	636,082	899,484	989,441	726,522	752,433	768,568	766,702	921,623	880,509	721,476	772,841	9,834,393
Sablefish	178,637	79,202	208,217	109,357	125,180	174,351	266,317	210,821	204,977	153,533	126,737	177,908	2,015,237
Salmon	---	---	---	538,056	1,223,029	1,368,798	2,153,766	804,095	585,107	---	---	---	6,672,861
Sandbar	53,044	21,264	73,662	56,435	68,398	73,485	83,045	78,376	59,481	41,512	31,237	39,972	679,911
Sardine	4,736,074	3,282,859	331,495	812,053	820,038	358,155	300,923	1,765,433	743,828	1,393,628	379,657	418,890	15,362,952
Sculpin	5,245	824	3,090	8,279	9,279	3,368	3,360	1,862	1,439	8,902	4,973	1,005	57,951
Sea bass, giant	54,333	39,199	40,015	12,198	19,516	3,408	30,346	47,163	22,024	33,760	68,698	54,739	446,209
Seabass, white	32,323	14,235	10,279	12,462	24,512	43,150	32,801	47,115	21,800	88,254	170,607	76,870	574,408

Shark	52,741	25,287	49,415	49,386	62,109	97,639	81,216	73,339	45,326	81,428	63,658	71,623	753,177
Sheephead, California	4,119	1,446	952	155	143	502	28	4,303	495	2,767	1,502	3,885	20,327
Sierra	18,558	15,883	22,189	16,048	24,427	13,680	11,774	14,096	11,758	11,772	9,079	13,214	182,178
Skate	5,801	15,498	29,140	17,890	31,764	68,936	90,569	18,138	28,829	12,289	15,105	5,539	339,498
Smelt, whitebait	22,669	21,467	29,891	41,806	22,398	16,776	19,982	9,523	3,499	346	188,357	188,357	
Sole, Dover	184,499	201,541	530,104	653,708	981,470	815,021	1,010,117	1,137,311	1,313,041	853,755	513,389	387,135	8,581,091
Sole, English	433,441	249,504	402,607	424,820	303,423	250,498	342,547	365,488	420,911	331,651	230,669	450,489	4,206,048
Sole, petrale	419,110	101,675	188,564	278,200	236,084	292,230	296,579	263,324	222,441	123,161	156,485	3,041,164	
Sole, rex	152,184	64,367	105,642	117,348	90,089	77,082	119,101	134,971	163,658	105,569	107,150	171,084	1,408,245
Sole, sand	32,372	11,504	3,819	363	18,090	19,150	27,996	18,039	17,498	6,553	11,385	29,796	196,565
Sole, miscellaneous	9,740	1,684	17,334	3,816	602	3,083	2,541	5,806	7,091	7,544	4,604	4,509	68,444
Spittail	373	185	174	---	---	---	---	---	---	---	---	848	1,580
Swordfish	---	---	---	---	---	---	---	---	---	---	---	---	39,057
Tomcod, Pacific	---	---	---	---	---	4,201	11,589	19,450	3,817	70	125	---	375
Tuna, albacore	---	---	---	---	---	---	---	---	---	---	---	---	26,622,375
Tuna, bluefin	43,133	187,478	8,434	28,414	150,861	28,414	9,206,882	11,008,820	8,441,802	4,342,671	502,786	16,487	31,109,951
Tuna, skipjack	9,947,061	7,386,147	8,639,431	6,366,105	6,366,105	2,580,678	6,806,446	9,780,426	6,065,217	4,588,942	1,081,849	5,330,892	92,721,936
Tuna, yellowfin	9,807,958	8,255,155	12,254,236	19,132,420	19,223,675	14,629,222	9,490,887	7,283,143	7,577,333	4,574,386	7,397,732	12,099,393	124,020,735
Turbot	15,040	7,583	2,613	1,633	2,148	1,045	3,091	3,091	5,805	9,700	9,820	14,858	80,383
Wahoo	---	5,636	---	975	16,897	---	---	---	---	---	---	---	23,508
Whitefish, ocean	1,890	2,473	1,452	2,241	920	86	391	95	6,036	284	1,373	797	12,002
Yellowtail, California	4,028	18,476	25,882	5,136	20,169	20,169	7,096	2,832	6,036	21,657	55,624	6,366	188,421
Miscellaneous	39	32	3,690	153	36	172	236	111	15	3	20	125	4,632
Miscellaneous (animal food)	136,089	97,284	119,956	331,756	121,495	133,842	91,582	208,050	195,332	120,128	179,607	144,690	1,879,811
Crustacean:	---	---	---	---	---	---	---	---	---	---	---	---	---
Crab, market	1,049,810	230,238	142,091	45,592	94,462	92,905	6,366	20,108	17,482	8,731	815,555	745,561	3,222,580
Crab, rock	13,227	11,124	12,622	11,808	27,119	19,097	28,973	---	---	8,731	9,894	20,119	500,304
Lobster, spiny	64,328	49,020	36,693	---	---	---	---	---	---	167,032	112,338	87,611	517,022
Prawn	---	646	48	---	---	---	---	---	---	---	---	---	694
Shrimp, bay	---	---	---	---	---	---	---	385	140	235	315	---	1,075
Shrimp, ocean	---	---	---	---	---	---	449,542	489,865	555,993	70,600	---	---	1,782,955
Shrimp, unclassified	---	---	---	---	---	216,955	2,624	---	---	---	---	---	2,624
Mollusk:	---	---	---	---	---	---	---	---	---	---	---	---	---
Alalone	223,907	---	146,414	394,874	482,199	485,832	552,509	335,194	450,217	387,379	275,129	449,825	4,183,181
Clam, gaper	40	20	120	760	100	120	480	20	480	20	---	---	7,613
Clam, jackknife	136	157	214	350	692	635	833	579	414	225	64	64	4,458
Clam, Washington	---	751	1,155	552	162	162	---	---	156	---	3,185	---	3,185
Clam, unclassified	20	---	20	---	80	40	---	55	15	---	40	40	270
Mussel	---	7,613	---	---	---	---	---	---	---	---	---	---	---
Octopus	2,349	1,632	1,394	1,635	860	625	1,470	545	401	440	546	1,339	13,236
Oyster, eastern	8,100	7,800	7,260	6,060	6,120	6,120	5,400	6,660	8,640	10,260	10,500	11,100	95,100
Oyster, giant Pacific	1,183,355	871,724	1,305,293	684,489	967,924	474,566	415,935	329,323	661,137	1,283,293	1,273,952	1,502,741	11,043,792
Sea snail	---	---	---	---	---	---	169	206	206	40	64	126	605
Squid	2,756,605	806,559	74,925	734,585	1,434,696	1,260,114	1,395,388	219,270	255,470	11,692	112,980	305,865	9,368,149
Total pounds	50,792,193	30,129,671	32,027,810	39,239,428	46,003,613	41,329,012	52,813,830	48,756,396	38,703,728	59,203,304	49,364,530	36,075,715	521,430,230

TABLE 8—Continued
Monthly Landings and Shipments Into California During 1962

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
SHIPMENTS:*													
Fish:													
Bonito, Pacific	60,000	20,202	36,442	15,000	3,649	10,785	1,595	15,436	46,633	31,763	22,074	---	15,000
Sardines	---	---	---	---	---	926	954	43,852	51,223	---	---	---	134,449
Salmon	---	---	---	---	---	19,056	---	14,642	6,416	---	---	---	211,085
Shad	---	---	---	---	---	---	---	---	---	---	---	10,629	40,114
Shark	---	---	---	---	---	---	---	---	---	---	---	---	10,629
Smelt	---	---	---	8,640	3,600	---	---	---	---	---	---	---	12,240
Sturgeon	6,080	612	---	---	---	---	---	---	---	---	---	---	6,692
Tuna, albacore	2,793,278	7,337,713	7,288,039	6,619,621	1,818,645	746,417	999,028	365,455	3,275,496	1,484,412	1,526,375	2,475,475	36,731,754
Tuna, bigeye	136,427	42,046	121,764	---	130,467	57,725	514,668	197,957	125,968	139,729	---	5,291	1,472,042
Tuna, bluefin	---	---	119,060	480,040	---	81,857	120,077	867,873	42,574	4,000	---	---	1,715,481
Tuna, oriental	---	30,000	70,297	30,000	74,000	---	---	---	518,111	1,848,149	226,190	---	204,297
Tuna, skipjack	97,101	1,199,720	372,693	524,248	367,857	130,968	111,794	941,602	6,213,326	6,820,643	4,735,719	4,542,567	6,338,433
Tuna, yellowfin	5,434,675	6,344,251	9,890,901	10,465,607	11,372,340	11,934,575	6,158,804	10,514,767	3,059	---	---	---	94,128,155
Yellowtail, California	---	---	---	6,000	---	---	---	---	43,409	5,810	---	---	9,059
Miscellaneous	---	---	5,600	---	10,600	14,300	36,705	7,475	---	---	---	49,678	173,667
Mollusk:													
Clam, Pismo	315,760	---	106,880	---	---	---	---	---	---	---	---	41,640	464,280
Total pounds	8,843,321	14,974,524	18,012,576	18,149,156	13,781,158	12,996,699	7,944,625	12,969,059	10,326,215	10,034,506	6,510,358	7,125,280	141,667,377
Grand total	59,635,514	45,104,195	50,040,386	57,388,584	59,784,771	54,325,711	60,758,355	61,725,455	46,029,943	69,237,810	55,874,888	43,200,995	863,106,607

* For origin of shipments refer to Table 6.

TABLE 9
Monthly Landings and Shipments of Commercial Fish Into the Eureka Area During 1962

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California Waters:													
Fish:													
Flounder	7,350	9,267	7,749	2,222	17,284	15,256	11,560	30,058	34,109	9,607	912	2,041	147,415
Flounder, arrowtooth	298	802	3,617	6,372	10,089	6,671	10,221	5,342	1,464	748	104	---	45,728
Halibut, Pacific	---	---	---	---	620	232	2,042	429	---	223	---	---	3,546
Herring, Pacific	---	---	---	---	---	---	---	---	---	---	---	85	85
Lingcod	25,584	43,413	18,827	45,227	50,165	48,810	110,494	88,360	84,695	26,407	9,950	7,457	559,479
Perch	12,708	6,641	10,994	13,602	77,024	---	6,685	7,860	11,279	5,722	6,054	5,585	87,130
Rockfish	121,954	66,501	113,045	239,395	59,525	101,341	244,550	220,007	310,993	109,290	101,338	76,364	1,781,802
Sablefish	13,204	4,909	24,406	40,791	764,396	45,368	68,290	73,376	79,697	76,117	70,421	73,463	630,167
Salmon	---	---	---	248,441	---	934,735	1,529,621	407,437	308,756	---	---	---	4,193,386
Sanddab	4,392	6,038	14,061	27,242	11,096	11,559	17,655	28,648	24,767	6,741	658	---	154,232
Shark	---	---	---	---	---	---	---	---	---	140	---	20	160
Skate	---	232	---	1,340	6,500	350	34	116	144	---	29	---	8,745
Smelt	443	5,558	8,087	6,645	21,052	58,396	72,979	8,897	20,554	6,517	95	---	209,223
Smelt, whitebat	2,262	9,436	26,211	38,904	16,911	13,918	19,701	9,191	2,152	---	346	---	143,032
Sole, Dover	28,669	9,068	46,962	332,855	574,092	536,466	854,925	892,836	1,135,714	626,078	422,507	336,302	5,796,474
Sole, English	64,884	54,069	121,548	180,269	72,346	68,150	58,377	160,718	196,055	81,221	13,917	21,910	1,093,464
Sole, petrale	224,324	41,657	56,497	94,625	48,518	40,000	81,696	95,158	95,158	47,845	52,849	235,736	1,158,928
Sole, rex	50,916	14,779	30,170	62,916	46,566	40,000	46,168	61,164	85,410	31,030	24,263	29,416	520,798
Sole, sand	3,052	1,511	1,974	78	15,476	18,065	934	2,864	5,428	1,438	303	53	51,206
Sole, miscellaneous	400	378	1,274	---	---	---	---	---	---	---	---	540	2,562
Tuna, albacore	---	---	---	741	218	---	4,343	401,222	730,290	240,809	---	---	1,376,664
Turbot	---	320	168	---	---	115	110	116	455	403	195	332	3,173
Miscellaneous	---	---	---	164,942	---	---	4	7	6	---	---	---	17
Miscellaneous (animal food)	43,125	19,206	30,851	---	---	---	---	---	---	---	---	---	258,124
Crustacean:													
Crab, market	975,126	182,701	118,832	38,041	77,091	71,732	6,366	---	---	---	---	381,565	1,851,454
Crab, rock	---	---	---	2,300	1,020	80	---	---	---	---	---	---	3,400
Shrimp, ocean	---	---	---	---	---	216,955	204,295	489,855	555,993	70,600	---	---	1,537,708

TABLE 9—Continued
Monthly Landings and Shipments of Commercial Fish Into the Eureka Area During 1962

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:—Continued													
California Waters:—Continued													
Mollusk:													
Clam, Washington	311	751	1,155	552	162				156			98	3,185
Octopus	218	20	397	125	75				20	370			3,385
Oyster, giant Pacific	1,041,600	766,500	1,108,800	554,400	936,600	422,100	367,500	288,750	577,500	1,113,000	1,067,300	1,313,000	9,557,050
Total pounds	2,624,920	1,243,757	1,745,625	2,102,025	2,806,826	2,672,704	3,718,710	3,295,511	4,260,795	2,454,396	1,771,241	2,485,342	31,181,752
Waters North of State:													
Fish:													
Flounder		16	413	888	431	162	1,389	924	76		10		4,309
Flounder, arrowtooth					85			238					323
Hake, Pacific			2,175										2,175
Limcod		220		10,706	16,292	6,789	1,693	10,963	14,655	477	633		62,995
Rockfish	2,876	8,550	5,564	55,916	38,152	22,432	3,318	22,727	23,141	19,752	8,983		211,411
Sablefish	1,528	2,314	10,578	11,107	6,156	8,082	164	8,310	7,388	8,664	2,408		66,699
Salmon						27	96	21					144
Sanddab		44	37	2,085	1,173		207	354					3,900
Sole, Dover	22,007	10,772	8,612	171,589	250,922	139,937	13,001	143,902	109,592	140,523	60,049		1,070,906
Sole, English		5,143	2,666	16,999	15,431	8,674	12,600	19,762	2,839		635		84,739
Sole, petrale		1,862	1,096	13,059	36,182	26,072	19,287	48,027	22,973	1,586	3,698		173,842
Sole, rex	140	988	1,260	6,087	5,126	4,072	807	4,558	1,408	1,925	795		27,166
Sole, sand					2,104		317	200					2,621
Turbot				150				110					260
Miscellaneous (animal food)	8,197	21,928	6,236	55,917									92,278
Total pounds	34,748	51,837	39,204	344,503	372,054	216,247	52,879	260,086	182,072	172,927	77,211		1,803,768
SHIPMENTS:*													
Fish:													
Salmon								50	1,800				3,350
Total pounds								50	1,800				3,350
GRAND TOTAL	2,659,568	1,295,594	1,784,829	2,446,528	3,178,880	2,888,951	3,771,639	3,557,397	4,444,367	2,627,323	1,848,452	2,485,342	32,988,870

* For origin of shipments refer to Table 6.

TABLE 10
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Area During 1962 *

[illegible]

TABLE 10—Continued
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Area During 1962 *

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:—Continued													
California Waters:—Continued													
Fish:—Continued													
Tomcod, Pacific	---	---	---	---	---	---	925	298,570	180	70	125	---	375
Tuna, albacore	15,040	7,265	2,445	742	1,930	930	6,935	2,775	970,314	216,864	17,885	12,540	1,504,558
Turbot	---	---	3,590	---	---	---	---	---	4,730	5,980	8,465	---	69,777
Miscellaneous	7,715	---	25,300	---	---	7,080	---	---	---	19,580	19,245	88	3,678
Miscellaneous (animal food)	---	---	---	---	---	---	---	---	---	---	135	---	79,055
Crustacean:													
Crab, market	72,044	43,274	19,548	5,857	13,849	19,375	---	245	---	---	812,804	362,401	1,349,152
Crab, rock	---	---	---	---	---	---	---	385	140	235	315	---	245
Shrimp, bay	---	---	---	---	---	---	245,247	---	---	---	---	---	1,075
Shrimp, ocean	---	---	---	---	---	---	---	---	---	---	---	---	245,247
Mollusk:													
Abalone	242	---	2,050	---	---	1,575	9,688	1,325	8,225	200	42	1,954	25,301
Mussel	---	7,613	---	---	---	---	---	---	---	---	---	---	7,613
Octopus	2,131	1,492	997	1,510	785	550	1,310	495	---	55	520	1,232	11,077
Oyster, eastern	8,100	7,800	7,260	6,120	6,060	6,120	5,400	6,660	8,640	10,280	10,500	11,100	95,100
Oyster, giant Pacific	15,805	14,289	21,718	19,939	15,024	9,566	22,135	2,398	43,487	57,915	82,142	87,981	392,409
Total pounds	1,956,488	871,320	1,400,124	944,667	1,007,564	1,030,222	1,837,016	1,320,578	1,946,478	1,118,406	1,513,093	1,544,679	16,490,635
SHIPMENTS:†													
Fish:													
Tuna, albacore	232,240	1,073,664	535,637	362,954	442,840	148,300	854,880	9,182	34,000	200,124	11,810	---	3,905,631
Tuna, bigeye	97,967	18,000	121,764	---	41,447	20,000	342,480	96,820	85,513	139,729	---	5,291	968,991
Tuna, bluefin	---	---	20,000	480,040	---	---	---	---	---	---	---	---	500,040
Tuna, oriental	---	30,000	60,000	30,000	74,000	---	---	---	---	---	---	---	194,000
Tuna, skipjack	---	---	---	40,650	29,940	122,227	---	119,020	100,377	---	---	---	412,214
Tuna, yellowfin	2,487,189	1,153,190	2,388,017	1,817,650	1,168,413	2,181,760	2,070,040	1,455,578	1,649,935	2,192,982	1,443,960	1,349,939	21,358,653
Total pounds	2,817,396	2,274,854	3,125,418	2,731,294	1,756,640	2,472,287	3,267,380	1,680,600	1,869,825	2,532,835	1,455,770	1,355,230	27,339,529
Grand total	4,773,884	3,146,174	4,525,542	3,675,961	2,764,204	3,502,509	5,104,396	3,001,178	3,816,303	3,651,241	2,968,863	2,899,909	43,830,164

* Includes Sacramento area landings.
† For origin of shipments refer to Table 6.

TABLE 11
Monthly Landings and Shipments of Commercial Fish Into the Monterey Area During 1962

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California Waters:													
Fish:													
Anchovy.....	37,200	9,400	66,750	7,150	9,900	165,040	119,396	37,203	233,400	358,200	87,329	57,156	1,188,097
Bouto, Pacific.....	---	---	---	---	---	---	---	---	---	---	110	---	110
Capezon.....	316	148	---	---	---	---	21	387	395	653	---	---	1,920
Croaker, white.....	16	1,202	2,320	4,460	7,182	3,568	5,167	3,470	24,477	12,953	2,518	3,719	71,052
Flounder.....	4,080	4,019	8,694	1,848	363	773	485	1,272	5,036	5,573	3,895	2,467	38,505
Greenling, kelp.....	---	---	---	---	---	---	---	40	---	---	---	---	40
Hake, Pacific.....	---	---	---	---	270	---	---	645	930	---	---	---	1,845
Halibut, California.....	1,515	883	1,636	2,218	3,769	2,967	6,692	15,179	6,491	2,749	1,312	1,770	47,181
Herring, Pacific.....	52,000	---	2,560	142,040	232,579	41,033	22,123	500	---	---	---	---	492,825
Lingcod.....	24,777	6,972	2,568	3,250	4,006	3,597	9,050	3,647	8,327	9,023	6,932	19,279	101,428
Mackerel, jack.....	7,749	---	14,890	36,560	331,180	1,089,620	94,727	94,686	83,930	31,335	23,925	241,127	2,049,729
Mackerel, Pacific.....	4,010	---	---	---	964	1,063	---	233	230	933	---	603	6,287
Perch.....	25	306	6,042	12,242	---	---	234	156	5,359	---	---	---	25,977
Pompano, Pacific.....	---	---	---	---	189	11	---	85	---	---	17	---	562
Rockfish.....	318,254	231,211	227,886	225,167	240,096	308,196	288,355	178,928	208,721	257,633	196,982	173,439	2,854,868
Sablefish.....	75,435	16,212	32,426	14,599	29,151	46,778	51,118	11,939	18,590	33,172	34,023	41,185	404,628
Salmon.....	---	---	---	---	127,842	97,528	33,998	15,017	6,015	---	---	---	308,369
Sanddab.....	9,457	5,610	7,353	6,677	13,686	17,257	12,129	17,751	12,999	8,008	8,519	8,417	127,863
Sardine.....	906,596	---	---	---	39,253	9,380	5,962	1,343,874	129,783	104,650	810	51,250	2,591,518
Seabass, white.....	278	94	69	111	163	63	---	135	111	681	474	221	2,400
Shark.....	2,981	3,428	2,320	1,393	8,379	9,009	4,773	6,006	1,579	5,904	6,669	8,047	60,488
Skate.....	3,533	7,303	11,235	9,075	6,602	7,615	5,215	8,206	3,206	6,622	1,910	5,145	75,691
Smelt.....	2,436	1,858	244	1,661	297	1,093	5,657	3,403	2,465	1,730	710	---	75,691
Sole, whitebait.....	12,522	9,348	85	---	35	---	---	332	1,347	---	---	---	23,669
Sole, Dover.....	---	---	2,007	5,510	12,050	14,880	15,265	6,625	1,535	---	---	---	57,572
Sole, English.....	16,182	15,440	19,923	22,273	19,218	13,475	13,755	19,725	47,400	37,961	12,815	31,688	269,855
Sole, petrale.....	15,603	7,677	12,116	10,332	9,485	7,870	10,517	31,563	19,260	6,495	6,495	27,839	166,822
Sole, rex.....	28,028	13,645	9,660	6,562	565	2,595	1,650	2,010	3,620	4,080	7,305	22,770	102,820
Sole, miscellaneous.....	3,120	926	4,311	1,759	332	272	987	4,357	3,996	2,946	3,645	3,200	29,851
Tuna, albacore.....	---	---	---	---	---	---	---	1,251,981	1,039,813	357,403	36,408	---	2,685,005

TABLE 11—Continued
Monthly Landings and Shipments of Commercial Fish Into the Monterey Area During 1962

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:—Continued													
California Waters:—Continued													
Fish—Continued													
Turbot.....	---	---	---	---	---	---	---	---	---	---	---	76	70
Miscellaneous.....	200	---	---	---	---	---	---	29,040	27,125	15,830	5,385	27,575	7
Miscellaneous (animal food).....	---	---	---	---	---	---	---	---	---	---	---	---	122,495
Crustacean:													
Crab, market.....	1,934	2,550	3,196	579	---	---	---	---	---	---	2,464	1,583	12,306
Crab, rock.....	---	152	---	---	---	---	---	---	---	---	---	---	152
Frawn.....	---	646	48	---	---	---	---	---	---	---	---	---	694
Mollusk:													
Ahalone.....	---	---	---	---	---	---	---	---	---	---	---	---	125
Clam, gaper.....	40	20	120	60	100	120	---	---	---	---	20	---	480
Clam, unclassified.....	20	---	20	---	80	40	---	40	---	---	---	40	240
Octopus.....	---	---	---	---	---	---	---	---	46	15	---	---	61
Oyster, giant Pacific.....	---	---	---	---	---	---	---	---	---	28,878	330	2,460	31,668
Squid.....	---	287,535	---	716,585	1,431,996	1,229,565	1,394,848	217,680	251,180	730	2,580	120,158	5,652,857
Total pounds.....	1,528,267	626,585	438,469	1,260,202	2,529,702	3,073,398	2,117,082	3,285,008	2,159,761	1,306,964	453,512	851,336	19,630,286
SHIPMENTS:*													
Fish:													
Smelt.....	---	---	---	8,640	3,600	---	---	---	---	---	---	---	12,240
Total pounds.....	---	---	---	8,640	3,600	---	---	---	---	---	---	---	12,240
Grand total.....	1,528,267	626,585	438,469	1,268,842	2,533,302	3,073,398	2,117,082	3,295,008	2,159,761	1,306,964	453,512	851,336	19,642,526

* For origin of shipments refer to Table 6.

TABLE 12
Monthly Landings of Commercial Fishing Boats into the Santa Barbara Area During 1962

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California Waters:													
Fish:													
Anchovy	30,235	---	1,438	4,574	21	---	2,500	7,450	17,800	2,160	3,387	426	29,910
Barracuda, California	---	---	---	---	---	---	206	701	7,943	1,708	384	347	49,732
Bonito, Pacific	38	10	---	---	22	---	24	---	4,953	1,329	30	262	7,020
Cabezon	42	---	---	---	---	---	---	1,905	56	---	---	---	442
Croaker, white	---	---	---	---	---	---	---	---	115	1,470	---	---	3,552
Dolphinfish	---	---	---	---	---	---	---	33	---	---	---	---	33
Flounder	---	80	---	44	---	---	4	4	15	---	---	164	311
Greenling, kelp	155	---	---	30	68	288	---	---	---	---	---	---	641
Halibut, California	15,212	7,793	8,854	10,507	6,053	4,887	5,611	14,997	19,696	17,199	15,559	22,702	149,070
Herring, Pacific	392	---	---	---	50	---	79	---	---	---	---	---	521
Lingcod	4,441	3,720	2,108	3,263	7,178	8,309	15,059	13,641	11,325	3,801	4,206	8,590	85,641
Mackerel, jack	1,692,518	205,465	496,290	699,900	492,800	755,130	793,872	305,370	384,200	643,286	1,492,200	1,640,895	9,572,026
Mackerel, Pacific	345,442	150,000	---	355,600	273,000	320,302	---	330,910	312,090	2,069,640	557,850	176,070	4,860,904
Perch	3,407	2,536	2,622	2,339	---	---	949	676	1,181	470	1,047	549	15,776
Pompano, Pacific	---	---	---	---	---	---	---	252	35	---	---	---	287
Rockfish	206,584	111,369	171,606	139,257	142,980	146,832	118,587	232,974	196,572	167,158	201,520	185,742	2,021,181
Sablefish	1,790	600	3,020	755	2,490	3,585	3,093	68	810	1,170	1,305	2,820	21,506
Salmon	---	---	---	7,174	5,759	32,572	21,883	13,045	27,654	---	---	---	108,687
Sandbar	---	---	---	286	---	---	---	---	---	---	---	---	286
Sardine	664,740	129,935	---	---	---	---	---	143,150	512,160	532,164	167,700	25,125	2,175,274
Sea bass, giant	---	249	---	379	198	84	234	---	3	51	126	54	1,378
Seabass, white	2,301	---	411	2,203	1,201	803	7,568	10,914	3,529	3,296	3,589	3,493	39,308
Shark	4,835	855	4,250	8,024	4,922	7,745	---	26,819	14,786	5,220	3,550	6,848	118,813
Sheephead, California	181	87	64	---	---	---	---	---	---	---	99	---	431
Skate	---	234	---	---	---	---	---	---	---	---	15	144	393
Smelt	---	---	---	---	---	---	---	37	11	20	120	70	258
Sole, Dover	4,240	2,546	7,151	6,350	26,109	23,018	60,668	33,363	16,292	10,755	4,812	1,483	196,787
Sole, English	57,044	73,280	111,139	112,173	58,438	40,303	8,808	12,668	15,917	11,559	31,690	20,033	553,452
Sole, petrale	35,135	20,957	30,176	91,530	84,878	112,108	39,080	33,567	36,212	10,138	44,308	94,602	632,711
Sole, rex	17,870	10,505	16,775	8,885	12,177	13,250	26,632	30,739	33,270	28,979	33,242	31,983	264,297

TABLE 12—Continued
Monthly Landings of Commercial Fishing Boats Into the Santa Barbara Area During 1962

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:—Continued													
California Waters:—Continued													
Fish:—Continued													
Sole, sand	507	205	---	138	---	---	---	---	---	---	232	1,584	1,816
Sole, miscellaneous	---	---	---	---	---	---	---	---	---	---	281	666	2,261
Swordfish	---	---	---	---	---	---	---	158	351	404	---	---	509
Tuna, albacore	---	---	---	---	---	1,430	1,449	395,233	242,413	328,141	15,603	---	984,269
Turbot	---	---	---	---	---	---	---	---	620	3,317	1,160	1,916	7,013
Whitefish, ocean													
Yellowtail, California	---	---	---	---	---	---	---	12	---	---	---	7	16
Miscellaneous	39	---	---	---	---	---	19	18	---	---	13	82	125
Miscellaneous (animal food)	76,852	56,150	57,569	110,897	121,465	126,762	74,242	179,010	168,207	84,718	154,977	116,980	1,327,859
Crustacean:													
Crab, market	706	1,713	515	1,115	3,522	1,798	---	---	---	---	287	12	9,668
Crab, rock	10,592	8,802	8,088	4,304	20,016	13,638	21,585	13,526	9,886	3,088	3,570	12,983	129,678
Loyster, spiny	21,768	20,040	10,721	---	---	---	---	---	---	19,830	20,606	27,321	119,786
Shrimp, unclassified	---	---	---	---	---	---	2,624	---	---	---	---	---	2,624
Mollusk:													
Abalone	154,313	---	97,069	280,367	356,168	312,515	342,344	230,014	279,392	259,580	177,329	318,283	2,807,374
Octopus	---	120	---	---	---	75	---	50	335	---	---	60	640
Oyster, giant Pacific	125,950	90,925	174,775	110,150	16,300	42,900	26,300	38,175	40,180	83,500	124,180	189,300	1,062,605
Sea snail	---	---	---	---	---	---	169	---	206	40	64	126	605
Squid	1,407,900	462,500	35,000	---	---	---	---	---	---	---	---	49,000	1,954,400
Grand total	4,655,229	1,360,706	1,239,641	1,930,234	1,635,895	1,968,384	1,604,551	2,070,079	2,356,231	4,294,091	3,065,041	2,940,652	29,322,734

TABLE 13
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1962

[illegible]

TABLE 13—Continued
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1962

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:—Continued													
California Waters:—Continued													
Fish:—Continued													
Sole, petrale	48	78	154	19	403	722	70	54	135	30	61	73	403
Sole, miscellaneous					270	342	6,960	17,410	2,323				1,714
Swordfish						12,726	4,450,491	7,284,147	3,659,868	3,014,386	347,569		27,035
Tuna, albacore						119,870	3,994,973	6,258,116	4,093,702	2,539,000			18,769,187
Tuna, bluefin													17,006,661
Tuna, yellowfin						17							17
Turbot								90					90
Whitefish, ocean	196		805	5		86	31	90				230	1,443
Yellowtail, California	1,412	717	196	1,000	384	2,151	952	2,008	982	942	223	2,790	13,757
Miscellaneous				153		172	132	66					523
Crustacean:													
Crab, rock	2,531	1,686	4,478	5,204	6,083	5,379	7,308	6,337	7,596	4,199	6,158	6,732	63,691
Lobster, spiny	26,262	22,474	18,716							89,939	56,387	37,240	251,018
Mollusk:													
Abalone	54,912		25,375	80,605	86,187	136,350	169,599	77,280	111,050	120,624	97,758	104,125	1,063,865
Clam, unclassified									15		26	47	15
Octopus													73
Squid	1,348,705	56,524	39,925	18,000	2,700	25,299	540	1,590	4,290	10,962	110,400	136,707	1,755,642
Total pounds	19,760,889	9,977,007	5,802,970	5,848,399	11,636,662	8,264,571	14,573,399	18,962,047	10,314,496	35,835,701	25,923,777	10,387,391	177,287,309
Waters South of State:													
Fish:													
Barracuda, California		40,102	56,354	250		295					73,571	24,609	195,181
Bass, rock				540									1,470
Bonito, Pacific		3,568			31,226	15,200	110				695	505	51,304
Cabrilla, spotted	15,959			1,807							1,730	8,997	28,493
Dolphinfish		212											212
Groupers	22,068	44,150	14,200		10,140	2,896	10,295	4,355		23,190	73,043	86,276	200,613
Halibut, California		260	259						171		51	8	807
Langcod		97							86	172	36		391
Mackerel, Pacific			350			79							429
Perch			8	20						63	151		242

Rockfish.....	40,368	15,976	27,823	34,231	22,101	2,060	14,012	11,113	10,833	178,917
Sardine.....	59,000	59,000	39,787	11,576	18,720	14,631	19,505	62,668	48,252	59,000
Sea bass, giant.....	43,905	38,709	3,125	3,332	---	---	744	114,990	51,052	388,997
Seabass, white.....	14,822	10,168	2,154	3,890	---	1,520	474	3,171	2,462	21,356
Shark.....	667	1,818	---	---	---	---	---	---	---	16,736
Sheepshead, California.....	155	52	45	---	---	---	161	871	138	2,460
Sierra.....	35	35	---	---	---	---	---	---	---	35
Skate.....	14	4	---	---	---	---	33	---	---	51
Swordfish.....	---	---	---	---	---	1,552	157	---	---	2,124
Tuna, albacore.....	---	---	---	---	---	---	8,320	22,197	---	600,535
Tuna, bluefin.....	43,133	187,478	187,478	8,434	170,861	2,239,201	3,132,117	1,054,206	16,487	12,942,293
Tuna, skipjack.....	8,494,601	5,550,465	7,694,744	5,002,020	4,505,044	3,238,853	4,606,700	5,645,703	4,395,740	69,300,816
Tuna, yellowfin.....	8,818,272	6,790,802	11,335,427	16,113,233	15,771,016	13,093,343	2,183,775	4,849,462	10,222,771	101,533,238
Wahoo.....	5,636	5,636	---	16,897	---	---	1,329,157	3,817,165	---	22,533
Whitefish, ocean.....	733	1,784	525	1,559	900	---	---	---	---	5,501
Yellowtail, California.....	2,582	13,275	17,392	19,558	230	4,946	18,340	34,538	985	111,063
Miscellaneous.....	32	---	---	---	---	---	---	---	37	69
Crustacean:	---	---	---	---	---	---	---	---	---	---
Lobster, spiny.....	---	---	---	---	---	---	---	---	1,206	1,206
SHIPMENTS:*	---	---	---	---	---	---	---	---	---	---
Fish:	---	---	---	---	---	---	---	---	---	---
Sablefish.....	60,000	20,202	36,442	---	3,649	10,785	46,633	22,074	---	134,449
Salmon.....	---	---	---	---	---	926	49,723	---	---	207,735
Shad.....	---	---	---	---	---	19,056	6,416	---	---	40,114
Shark.....	---	---	---	---	---	---	---	---	10,629	10,629
Sturgeon.....	6,080	612	---	---	---	---	---	---	---	6,692
Tuna, albacore.....	2,300,002	5,776,951	6,475,415	5,618,592	1,375,805	598,117	3,241,496	1,514,565	2,414,928	31,101,480
Tuna, bigeye.....	38,460	21,040	---	---	89,020	37,725	101,137	---	---	503,051
Tuna, bluefin.....	---	---	99,060	---	---	81,867	42,574	---	---	1,211,441
Tuna, oriental.....	---	---	10,297	---	---	---	---	---	---	10,297
Tuna, skipjack.....	97,101	21,708	106,059	131,251	251,587	8,741	417,734	296,160	---	2,197,717
Tuna, yellowfin.....	2,947,486	2,536,549	5,937,672	6,690,332	9,074,056	4,088,764	4,563,391	3,291,750	3,192,628	63,616,893
Miscellaneous.....	---	5,600	---	---	10,600	36,705	8,861,175	5,810	49,678	173,667
Mollusk:	---	---	---	---	---	---	---	---	---	---
Clam, Pismo.....	315,760	106,880	---	---	---	---	---	---	41,640	461,280
Total pounds.....	17,454,132	12,620,218	19,379,675	21,200,460	20,327,135	20,634,646	10,162,365	11,407,503	14,880,458	185,993,072
SHIPMENTS:*	---	---	---	---	---	---	---	---	---	---
Fish:	---	---	---	---	---	---	---	---	---	---
Sablefish.....	---	---	---	---	---	10,785	15,436	---	---	---
Salmon.....	---	---	36,442	---	---	926	42,052	---	---	---
Shad.....	---	---	---	---	---	19,056	14,642	---	---	---
Shark.....	---	---	---	---	---	---	---	---	10,629	---
Sturgeon.....	6,080	612	---	---	---	---	---	---	---	---
Tuna, albacore.....	2,300,002	5,776,951	6,475,415	5,618,592	1,375,805	598,117	3,241,496	1,514,565	2,414,928	31,101,480
Tuna, bigeye.....	38,460	21,040	---	---	89,020	37,725	101,137	---	---	503,051
Tuna, bluefin.....	---	---	99,060	---	---	81,867	42,574	---	---	1,211,441
Tuna, oriental.....	---	---	10,297	---	---	---	---	---	---	10,297
Tuna, skipjack.....	97,101	21,708	106,059	131,251	251,587	8,741	417,734	296,160	---	2,197,717
Tuna, yellowfin.....	2,947,486	2,536,549	5,937,672	6,690,332	9,074,056	4,088,764	4,563,391	3,291,750	3,192,628	63,616,893
Miscellaneous.....	---	5,600	---	---	10,600	36,705	8,861,175	5,810	49,678	173,667
Mollusk:	---	---	---	---	---	---	---	---	---	---
Clam, Pismo.....	315,760	106,880	---	---	---	---	---	---	41,640	461,280
Total pounds.....	5,764,889	8,380,368	12,777,425	12,440,175	10,807,717	4,677,095	11,088,645	5,051,588	5,709,503	99,708,475
Grand total.....	42,979,910	30,977,593	37,960,070	39,489,034	42,771,514	37,451,445	40,213,057	42,926,868	30,977,352	462,988,856

* For origin of shipments refer to Table 6.

TABLE 14
Monthly Landings and Shipments of Commerical Fish Into the San Diego Area During 1962

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California Waters:													
Fish:													
Anchovy	52	36	259	252	19,051	3,960	937	594	625	10	48	96	307
Barracuda, California	2,671	165	389	797	1,839	1,272	24,715	36,565	12,646	26,567	7,334	6,826	25,613
Bonito, Pacific	205	---	170	85	605	407	952	---	419	276	305	60	121,886
Croaker, white	---	---	---	---	---	---	245	---	---	---	---	---	3,484
Hake, Pacific	---	---	---	---	---	---	---	---	---	---	---	---	245
Halibut	14,535	17,242	13,854	11,169	7,986	6,034	1,940	610	1,464	46,520	23,187	17,004	2074
Halibut, California	---	---	---	10	---	---	---	6,755	26,345	---	---	23	192,571
Lingcod	623	5,143	3,872	2,422	5,447	670	1,185	---	14,794	3,836	1,950	737	33
Mackerel, Pacific	---	---	---	---	24	---	---	---	387	---	---	---	40,679
Opaleye	---	---	---	---	---	---	---	---	---	---	---	---	411
Perch	16,704	2,897	14,773	19,437	9,588	19,809	1,430	10,410	330	7,999	9,710	17,733	1,760
Rockfish	---	---	---	---	68	---	11,874	---	13,578	---	---	---	154,512
Sablefish	---	---	---	---	---	---	---	19	82	---	---	---	150
Salmon	---	---	---	---	---	---	---	---	---	23	---	---	19
Sanddab	---	---	---	---	---	---	---	---	---	---	---	---	23
Sculpin	5,235	808	3,066	5,829	8,272	3,072	6,458	---	92	7,522	4,415	916	45,685
Sea bass, giant	12	---	---	202	264	510	463	187	450	101	16	93	2,298
Seabass, white	1,478	1,635	2,236	409	11,471	10,570	2,699	5,756	4,528	394	349	978	42,503
Shark	5,499	3,158	10,069	7,746	10,752	17,758	8,467	9,173	8,556	5,963	10,149	11,847	109,137
Sheephead, California	2,860	280	801	87	---	218	17	1,839	60	746	268	3,191	10,377
Sole, miscellaneous	56	97	---	---	---	2,089	1,480	1,365	2,727	1,673	124	---	9,641
Swordfish	---	---	---	---	---	---	1,820	1,312	367	---	---	---	3,499
Tuna, albacore	---	---	---	---	---	10,278	2,121,377	2,732,322	1,687,662	159,110	15,334	---	6,726,083
Tuna, bluefin	---	---	---	---	---	---	2,465	30,507	18	---	---	---	32,990
Tuna, yellowfin	---	---	---	---	23	---	---	---	---	---	---	---	23
Whitefish, ocean	503	104	122	---	20	---	95	---	---	17	---	---	861
Yellowtail, California	120	13	321	24	4,522	12,697	1,362	812	2,699	---	614	---	23,184
Miscellaneous	---	---	---	---	36	---	81	20	---	3	20	---	160
Crustacean:													
Crab, rock	104	484	56	---	---	---	80	---	---	1,444	166	804	3,138
Loaster, spiny	16,298	6,506	7,256	---	---	---	---	---	---	57,763	35,349	21,844	148,012

Mollusk:	14,440	21,920	33,604	39,844	35,392	30,878	26,575	51,550	6,975	25,338	286,515
Abalone	---	---	---	---	---	---	---	---	---	---	4,455
Clam, jackknife	136	214	350	692	635	833	579	414	225	64	6,250
Clam, unclassified	---	---	---	---	---	---	---	15	---	---	---
Squid	---	---	---	---	5,250	---	---	---	---	---	---
Total pounds	81,551	38,735	82,423	120,604	130,621	2,221,853	2,865,445	1,829,793	327,167	109,493	7,994,597
Waters South of State:											
Fish:											
Barrecauda, California	350	9,863	---	571	---	3,506	---	575	14,053	263	29,526
Bonito, Pacific	---	---	---	---	---	---	---	228	373	2,101	11,600
Cabrilla, spotted	220	---	---	---	1,085	105	---	---	---	145	365
Grouper	7,858	158	739	---	1,477	33,673	95,732	387	6,093	4,300	20,478
Halibut, California	71	1,733	2,706	7,667	---	---	---	---	---	1,568	86,202
Rockfish	26,478	36,125	41,890	44,107	15,149	235	55	616	31,779	8,169	262,382
Sculpin	---	---	---	204	8,867	10,296	40	1,820	6,193	5,743	49,024
Sea bass, giant	10,277	---	---	---	83	4,721	4,415	6,031	34,855	18,684	124,185
Seabass, white	7,614	426	26	73	127	500	1,126	827	5,995	2,943	12,969
Shark	23	---	---	741	---	---	---	---	---	---	---
Sheephead, California	---	---	---	111	---	---	1,306	145	470	494	2,526
Sierra	---	---	---	---	---	---	---	---	---	60	---
Swordfish	---	---	---	---	2,307	2,809	155	619	---	---	5,800
Tuna, albacore	---	---	---	---	3,980	2,282,960	1,536,622	103,122	48,700	---	3,975,474
Tuna, bluefin	---	---	---	---	221,517	449,992	358,686	160,169	27,545	---	1,218,007
Tuna, skipjack	1,452,460	1,835,682	2,455,015	2,061,061	1,547,390	3,408,697	2,596,163	2,965,543	1,420,142	964,152	23,411,220
Tuna, yellowfin	989,686	1,464,353	3,019,187	3,452,636	1,555,862	2,287,072	2,010,882	1,631,857	757,221	1,866,622	22,182,477
Wahoo	---	975	---	---	---	---	---	---	---	---	975
Whitefish, ocean	458	565	677	---	375	256	5	267	1,373	560	4,181
Yellowtail, California	814	224	5,300	---	---	---	---	2,337	2,375	2,449	37,292
Total pounds	2,496,089	3,339,506	5,526,515	5,567,171	3,338,219	8,487,389	6,535,277	4,875,176	2,286,049	4,502,659	51,735,077
SHIPMENTS:											
Fish:											
Bonito, Pacific	261,036	487,098	15,000	---	---	---	---	---	---	---	15,000
Tuna, albacore	---	---	638,075	---	---	---	---	---	---	60,547	1,724,643
Tuna, bluefin	---	---	---	---	---	---	---	---	4,000	---	4,000
Tuna, skipjack	---	1,178,012	352,347	83,330	---	---	---	---	1,848,149	---	3,728,472
Tuna, yellowfin	---	2,654,192	1,957,625	1,129,871	100,125	---	198,014	---	1,517,570	---	9,122,609
Yellowtail, California	---	---	6,000	---	---	---	---	3,059	---	---	9,059
Total pounds	261,036	4,319,302	2,969,047	1,213,201	100,125	---	198,014	3,059	3,369,719	60,547	14,603,783
Grand total	2,338,656	7,697,543	8,577,985	6,900,976	3,568,965	10,709,242	9,988,736	6,708,028	5,982,935	3,046,404	74,333,547

* For origin of shipments refer to Table 6.

TABLE 15

Value of Landings and Shipments of Commercial Fish Into California by Area, 1962

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
LANDINGS:							
Fish:							
Anchovy.....	-----	11,381	1,188,097	29,910	1,534,308	307	2,764,003
	-----	\$488	\$23,881	\$1,427	\$24,242	\$12	\$50,050
Barracuda, California.....	-----	-----	-----	49,732	641,605	55,139	746,476
	-----	-----	-----	\$7,628	\$94,380	\$7,918	\$109,926
Bass, rock.....	-----	-----	-----	-----	1,470	-----	1,470
	-----	-----	-----	-----	\$305	-----	\$305
Bonito, Pacific.....	-----	-----	110	7,920	1,993,386	133,486	2,134,902
	-----	-----	\$7	\$307	\$56,811	\$5,647	\$62,772
Cabezon.....	-----	112	1,920	442	-----	-----	2,474
	-----	\$3	\$148	\$24	-----	-----	\$175
Cabrilla, spotted.....	-----	-----	-----	-----	28,493	365	28,858
	-----	-----	-----	-----	\$3,909	\$60	\$3,969
Carp.....	-----	218,712	-----	-----	2,260	-----	220,972
	-----	\$10,738	-----	-----	\$113	-----	\$10,851
Croaker, white.....	-----	4,231	71,052	3,532	605,334	3,484	687,633
	-----	\$297	\$4,945	\$235	\$19,272	\$327	\$25,076
Dolphinfish.....	-----	-----	-----	33	212	-----	245
	-----	-----	-----	\$3	\$36	-----	\$39
Flounder.....	151,724	147,652	38,505	311	-----	-----	338,192
	\$7,389	\$7,811	\$3,789	\$17	-----	-----	\$19,006
Flounder, arrowtooth.....	46,051	7,275	-----	-----	-----	-----	53,326
	\$2,187	\$280	-----	-----	-----	-----	\$2,467
Flyingfish.....	-----	-----	-----	-----	14,364	-----	14,364
	-----	-----	-----	-----	\$1,447	-----	\$1,447
Greenling, kelp.....	-----	-----	40	541	-----	-----	581
	-----	-----	\$2	\$32	-----	-----	\$34
Grouper.....	-----	-----	-----	-----	290,813	20,478	311,091
	-----	-----	-----	-----	\$59,808	\$4,452	\$64,260
Hake, Pacific.....	2,175	74,265	1,845	-----	-----	245	78,530
	\$44	\$1,218	\$39	-----	-----	\$25	\$1,326
Halfmoon.....	-----	-----	-----	-----	6,462	2,074	8,536
	-----	-----	-----	-----	\$1,478	\$297	\$1,775
Halibut, California.....	-----	74,016	47,181	149,070	314,046	278,773	863,086
	-----	\$15,921	\$11,526	\$34,344	\$78,418	\$67,519	\$207,728
Halibut, Pacific.....	3,546	-----	-----	-----	-----	-----	3,546
	\$1,072	-----	-----	-----	-----	-----	\$1,072
Hardhead.....	-----	120,805	-----	-----	7,425	-----	128,230
	-----	\$24,161	-----	-----	\$1,485	-----	\$25,646
Herring, Pacific.....	85	812,054	492,825	521	84	-----	1,305,569
	\$4	\$7,065	\$41,446	\$48	\$8	-----	\$48,571
Herring, Pacific round.....	-----	-----	-----	-----	4,250	-----	4,250
	-----	-----	-----	-----	\$298	-----	\$298
Lingcod.....	622,474	301,967	101,428	85,641	661	33	1,112,204
	\$48,491	\$23,130	\$10,295	\$5,960	\$70	\$3	\$87,949
Mackerel, jack.....	-----	4,232	2,049,729	9,572,026	78,352,946	-----	89,978,933
	-----	\$284	\$50,029	\$173,254	\$1,645,417	-----	\$1,868,984
Mackerel, Pacific.....	-----	-----	6,287	4,060,904	43,670,950	40,679	48,578,820
	-----	-----	\$217	\$86,038	\$938,926	\$1,782	\$1,026,963
Opaleye.....	-----	-----	-----	-----	1,263	411	1,674
	-----	-----	-----	-----	\$152	\$30	\$182
Perch.....	87,130	21,436	25,977	15,776	13,036	1,760	165,115
	\$11,648	\$2,940	\$3,476	\$3,037	\$2,337	\$251	\$23,689
Pompano, Pacific.....	-----	-----	562	267	35,141	-----	35,950
	-----	-----	\$303	\$49	\$10,745	-----	\$11,097
Rockfish.....	1,993,213	1,989,196	2,854,868	2,021,181	559,041	416,894	9,834,393
	\$90,772	\$104,339	\$155,226	\$109,693	\$66,601	\$47,356	\$573,987
Sablefish.....	696,866	891,015	404,628	21,506	1,072	150	2,015,237
	\$61,255	\$27,710	\$21,608	\$983	\$127	\$9	\$111,692
Salmon.....	4,193,530	2,050,993	308,369	108,687	11,263	19	6,672,861
	\$2,448,748	\$1,308,748	\$186,903	\$72,605	\$6,025	\$8	\$4,023,037
Sanddab.....	158,132	392,919	127,863	286	688	23	679,911
	\$12,430	\$26,562	\$9,142	\$20	\$144	\$3	\$48,301
Sardine.....	-----	94	2,591,518	2,175,274	10,596,066	-----	15,362,952
	-----	\$6	\$81,632	\$78,093	\$330,598	-----	\$490,329
Sculpin.....	-----	-----	-----	-----	12,022	45,929	57,951
	-----	-----	-----	-----	\$4,064	\$12,759	\$16,823
Sea bass, giant.....	-----	-----	-----	1,378	393,509	51,322	446,209
	-----	-----	-----	\$163	\$64,457	\$8,252	\$72,872
Seabass, white.....	-----	11,609	2,400	39,308	354,403	166,688	574,408
	-----	\$3,760	\$817	\$14,815	\$108,908	\$48,473	\$176,773
Shark.....	160	158,519	60,488	118,813	293,091	122,106	753,177
	\$13	\$6,144	\$3,085	\$10,551	\$36,682	\$12,990	\$69,465
Sheephead, California.....	-----	-----	-----	431	6,993	12,903	20,327
	-----	-----	-----	\$27	\$490	\$1,183	\$1,700
Sierra.....	-----	-----	-----	-----	35	60	95
	-----	-----	-----	-----	\$7	\$3	\$10

TABLE 15—Continued

Value of Landings and Shipments of Commercial Fish Into California by Area, 1962

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
LANDINGS:—Continued							
Fish:—Continued							
Skate.....	8,745	97,290	75,691	393	59	---	182,178
	\$29	\$1,138	\$1,195	\$24	\$9	---	\$2,395
Smelt.....	209,223	66,195	21,554	258	42,268	---	339,498
	\$10,820	\$9,245	\$1,629	\$12	\$1,190	---	\$22,896
Smelt, whitebait.....	143,032	21,656	23,669	---	---	---	188,357
	\$10,756	\$2,746	\$3,238	---	---	---	\$16,740
Sole, Dover.....	6,867,380	1,459,052	57,872	196,787	---	---	8,581,091
	\$423,031	\$79,080	\$2,888	\$11,807	---	---	\$516,806
Sole, English.....	1,178,203	2,204,488	269,855	553,452	50	---	4,206,048
	\$87,541	\$158,723	\$19,618	\$36,639	\$5	---	\$302,526
Sole, petrale.....	1,332,770	908,458	166,822	632,711	403	---	3,041,164
	\$154,335	\$113,375	\$20,019	\$74,027	\$40	---	\$361,796
Sole, rex.....	549,964	491,464	102,520	264,297	---	---	1,408,245
	\$38,718	\$32,880	\$5,239	\$16,703	---	---	\$93,540
Sole, sand.....	53,827	140,922	---	1,816	---	---	196,565
	\$5,334	\$14,346	---	\$218	---	---	\$19,898
Sole, miscellaneous.....	2,592	22,385	29,851	2,261	1,714	9,641	68,444
	\$92	\$571	\$2,892	\$167	\$214	\$2,373	\$6,309
Splittail.....	---	1,580	---	---	---	---	1,580
	---	\$433	---	---	---	---	\$433
Swordfish.....	---	---	---	509	29,189	9,289	39,057
	---	---	---	\$270	\$15,317	\$4,844	\$20,431
Tomcod, Pacific.....	---	375	---	---	---	---	375
	---	\$13	---	---	---	---	\$13
Tuna, albacore.....	1,376,664	1,504,558	2,685,605	984,269	19,369,722	10,701,557	36,622,375
	\$187,915	\$205,222	\$386,190	\$135,731	\$3,265,735	\$1,858,860	\$6,039,653
Tuna, bluefin.....	---	---	---	---	29,948,954	1,250,997	31,199,951
	---	---	---	---	\$4,204,834	\$162,755	\$4,367,589
Tuna, skipjack.....	---	---	---	---	69,309,816	23,411,220	92,721,036
	---	---	---	---	\$8,878,587	\$3,043,459	\$11,922,046
Tuna, yellowfin.....	---	---	---	---	101,538,255	22,482,500	124,020,755
	---	---	---	---	\$15,372,892	\$3,379,120	\$18,752,012
Turbot.....	3,433	69,777	70	7,013	90	---	80,383
	\$341	\$3,949	\$4	\$411	\$5	---	\$4,710
Wahoo.....	---	---	---	---	22,533	975	23,508
	---	---	---	---	\$7,668	\$156	\$7,824
Whitefish, ocean.....	---	---	---	16	6,944	5,042	12,002
	---	---	---	\$1	\$434	\$375	\$810
Yellowtail, California.....	---	---	---	125	127,820	60,476	188,421
	---	---	---	\$16	\$11,465	\$4,511	\$15,992
Miscellaneous.....	17	3,678	7	78	592	160	4,532
	\$1	\$98	\$4	\$12	\$128	\$29	\$272
Miscellaneous (animal food).....	350,402	79,055	122,495	1,327,859	---	---	1,879,811
	\$7,008	\$1,581	\$2,450	\$26,558	---	---	\$37,597
Crustacean:							
Crab, market.....	1,851,454	1,349,152	12,306	9,668	---	---	3,222,580
	\$446,386	\$117,967	\$4,089	\$3,602	---	---	\$872,044
Crab, rock.....	3,400	245	162	129,678	63,691	3,138	200,304
	---	\$12	\$8	\$9,363	\$6,904	\$115	\$16,402
Lobster, spiny.....	---	---	---	119,786	252,224	145,012	517,022
	---	---	---	\$81,311	\$175,373	\$97,231	\$353,915
Prawn.....	---	---	694	---	---	---	694
	---	---	\$420	---	---	---	\$420
Shrimp, bay.....	---	1,075	---	---	---	---	1,075
	---	\$140	---	---	---	---	\$140
Shrimp, ocean.....	1,537,708	245,247	---	---	---	---	1,782,955
	\$169,916	\$26,978	---	---	---	---	\$196,894
Shrimp, unclassified.....	---	---	---	2,624	---	---	2,624
	---	---	---	\$656	---	---	\$656
Mollusk:							
Abalone.....	---	25,301	125	2,807,374	1,063,865	286,516	4,183,181
	---	\$4,489	\$125	\$435,017	\$124,990	\$28,828	\$593,449
Clam, gaper.....	---	---	480	---	---	---	480
	---	---	\$47	---	---	---	\$47
Clam, jackknife.....	---	---	---	---	---	4,458	4,458
	---	---	---	---	---	\$1,848	\$1,848
Clam, Washington.....	3,185	---	---	---	---	---	3,185
	\$494	---	---	---	---	---	\$494
Clam, unclassified.....	---	---	240	---	15	15	270
	---	---	\$24	---	\$8	\$8	\$40
Mussel.....	---	7,613	---	---	---	---	7,613
	---	\$381	---	---	---	---	\$381

TABLE 15—Continued

Value of Landings and Shipments of Commercial Fish Into California by Area, 1962

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
LANDINGS:—Continued							
Mollusk:—Continued							
Octopus.....	1,385	11,077	61	640	73	----	13,236
	\$50	\$413	\$7	\$73	\$18	----	\$561
Oyster, eastern.....	-----	95,100	-----	-----	-----	-----	95,100
	-----	\$1,717	-----	-----	-----	-----	\$4,717
Oyster, giant Pacific.....	9,557,050	392,409	31,668	1,062,605	-----	-----	11,043,732
	\$238,926	\$40,889	\$633	\$21,253	-----	-----	\$301,701
Sea snail.....	-----	-----	-----	605	-----	-----	605
	-----	-----	-----	\$30	-----	-----	\$30
Squid.....	-----	-----	5,652,857	1,954,400	1,755,642	5,250	9,368,149
	-----	-----	\$120,971	\$21,694	\$24,754	\$210	\$167,629
Total pounds.....	32,985,520	16,490,635	19,630,286	29,322,734	363,280,381	59,729,674	521,439,230
Total value.....	\$4,465,746	\$2,690,991	\$1,180,206	\$1,474,948	\$35,648,330	\$8,804,081	\$54,264,302
SHIPMENTS:†							
Fish:							
Bonito, Pacific.....	-----	-----	-----	-----	-----	15,000	15,000
	-----	-----	-----	-----	-----	\$150	\$150
Sablefish.....	-----	-----	-----	-----	134,449	-----	134,449
	-----	-----	-----	-----	\$28,759	-----	\$28,759
Salmon.....	3,350	-----	-----	-----	207,735	-----	211,085
	\$1,340	-----	-----	-----	\$170,202	-----	\$171,542
Shad.....	-----	-----	-----	-----	40,114	-----	40,114
	-----	-----	-----	-----	\$4,814	-----	\$4,814
Shark.....	-----	-----	-----	-----	10,629	-----	10,629
	-----	-----	-----	-----	\$880	-----	\$880
Smelt.....	-----	-----	12,240	-----	-----	-----	12,240
	-----	-----	\$1,469	-----	-----	-----	\$1,469
Sturgeon.....	-----	-----	-----	-----	6,692	-----	6,692
	-----	-----	-----	-----	\$2,982	-----	\$2,982
Tuna, albacore.....	-----	3,905,631	-----	-----	31,101,480	1,724,643	36,731,754
	-----	\$864,707	-----	-----	\$5,983,925	\$372,350	\$7,220,982
Tuna, bigeye.....	-----	968,991	-----	-----	503,051	-----	1,472,042
	-----	\$191,763	-----	-----	\$72,842	-----	\$264,605
Tuna, bluefin.....	-----	500,040	-----	-----	1,211,441	4,000	1,715,481
	-----	\$98,258	-----	-----	\$171,298	\$500	\$270,056
Tuna, oriental.....	-----	194,000	-----	-----	10,297	-----	204,297
	-----	\$72,575	-----	-----	\$1,390	-----	\$73,965
Tuna, skipjack.....	-----	412,214	-----	-----	2,197,747	3,728,472	6,338,433
	-----	\$63,728	-----	-----	\$278,894	\$477,617	\$820,239
Tuna, yellowfin.....	-----	21,358,653	-----	-----	63,646,893	9,122,609	94,128,155
	-----	\$4,570,752	-----	-----	\$11,730,122	\$1,424,952	\$17,725,826
Yellowtail, California.....	-----	-----	-----	-----	-----	9,059	9,059
	-----	-----	-----	-----	-----	\$1,057	\$1,057
Miscellaneous.....	-----	-----	-----	-----	173,667	-----	173,667
	-----	-----	-----	-----	\$60,558	-----	\$60,558
Mollusk:							
Clam, Pismo.....	-----	-----	-----	-----	464,280	-----	464,280
	-----	-----	-----	-----	\$10,446	-----	\$10,446
Total pounds.....	3,350	27,339,529	12,240	-----	99,708,475	14,603,783	141,667,377
Total value.....	\$1,340	\$5,861,783	\$1,469	-----	\$18,517,112	\$2,276,626	\$26,658,330
GRAND TOTAL POUNDS.....	32,988,870	43,830,164	19,642,526	29,322,734	462,988,856	74,333,457	663,106,607
GRAND TOTAL VALUE.....	\$4,467,086	\$8,552,774	\$1,181,675	\$1,474,948	\$54,165,442	\$11,080,707	\$80,922,632

* Includes Sacramento area landings.

† For origin of shipments refer to Table 6.

TABLE 16

Value of Landings and Shipments by Port, Eureka Area, 1962

	Value	Pounds
EUREKA AREA TOTALS	\$4,467,086	32,988,870
Eureka		
Salmon	\$1,473,266	2,521,445
Giant Pacific oyster	238,926	9,557,050
Dover sole	161,752	2,625,837
Albacore	136,575	1,000,549
Market crab	109,069	452,381
Ocean shrimp	75,572	683,913
Petrale sole	67,223	580,507
English sole	34,064	458,464
Rockfish	29,870	657,946
Rex sole	18,833	267,509
Sablefish	14,285	162,510
Lingcod	9,959	127,846
Perch	6,311	45,474
Sanddab	5,698	72,493
All other	10,538	169,820
Totals	\$2,391,941	19,383,744
Fort Bragg		
Salmon	\$744,311	1,274,411
Dover sole	79,956	1,297,984
Market crab	62,123	257,663
Albacore	41,718	305,628
Sablefish	29,600	336,743
Rockfish	16,779	364,707
Petrale sole	13,179	113,810
English sole	10,378	139,672
Lingcod	7,511	96,416
Rex sole	7,260	103,119
Smelt	5,280	104,771
All other	8,680	187,914
Totals	\$1,026,775	4,582,838
Crescent City		
Market crab	\$215,306	893,015
Salmon	197,452	339,066
Ocean shrimp	93,261	843,995
Petrale sole	15,305	132,165
English sole	14,452	194,512
Lingcod	12,246	157,197
Albacore	9,564	70,065
Dover sole	8,109	131,646
All other	17,485	280,677
Totals	\$583,180	3,042,338
Fields Landing		
Dover sole	\$173,214	2,811,913
Petrale sole	58,628	506,288
Rockfish	39,763	876,045
English sole	28,647	385,555
Lingcod	18,775	241,015
Sablefish	17,079	194,301
Market crab	15,915	66,009
Rex sole	11,140	158,245
Miscellaneous (animal food)	5,248	262,403
All other	21,206	235,688
Totals	\$389,615	5,737,462
Trinidad		
Market crab	\$43,639	181,001
Salmon	12,099	22,580
All other	75	478
Totals	\$55,813	204,059

TABLE 16—Continued
Value of Landings and Shipments by Port, Eureka Area, 1962

	Value	Pounds
Albion		
Salmon.....	\$19,010	32,535
All other.....	3	73
Totals.....	\$19,013	32,608
All other ports		
All other.....	\$749	5,821
Totals.....	\$749	5,821

TABLE 17

Value of Landings and Shipments by Port,* San Francisco Area, 1962

	Value	Pounds
SAN FRANCISCO AREA TOTALS	\$8,552,774	43,830,164
San Francisco		
Yellowfin tuna	\$4,570,752	21,358,653
Albacore	877,690	4,000,811
Market crab	235,191	759,171
Salmon	200,783	314,657
Bigeye tuna	191,763	968,991
English sole	125,248	1,739,551
Bluefin tuna	98,258	500,040
Petrale sole	94,695	758,775
Rockfish	91,776	1,754,855
Oriental tuna	72,575	194,000
Dover sole	64,243	1,185,298
Skipjack	63,728	412,214
Sablefish	24,144	776,342
Rex sole	22,848	341,519
Sanddab	21,903	324,004
Lingcod	16,153	210,881
Sand sole	12,619	123,960
California halibut	11,157	51,867
Flounder	5,370	101,512
All other	18,880	461,318
Totals	\$6,819,776	36,338,419
Bodega Bay		
Salmon	\$463,088	725,729
Market crab	83,078	268,166
Ocean shrimp	26,686	242,597
English sole	13,242	183,914
Albacore	10,329	75,729
Smelt	7,737	49,171
Dover sole	5,462	100,783
All other	14,162	198,968
Totals	\$623,784	1,845,057
Point Reyes		
Salmon	\$183,862	288,140
Market crab	41,896	135,235
Giant Pacific oyster	27,565	264,541
English sole	20,195	280,490
Petrale sole	13,930	111,620
Rockfish	9,847	189,021
Dover sole	6,497	119,871
Rex sole	5,755	86,025
All other	18,741	325,979
Totals	\$328,288	1,800,922
Sausalito		
Salmon	\$212,252	332,631
Albacore	55,535	407,147
Market crab	24,353	78,608
All other	513	5,964
Totals	\$292,653	824,350
Oakland		
Albacore	\$126,350	926,318
Salmon	72,055	112,921
Market crab	8,768	28,303
All other	5,077	97,979
Totals	\$212,250	1,165,521
Princeton		
Salmon	\$172,822	270,838
Market crab	24,484	79,032
All other	5,334	38,466
Totals	\$202,640	388,336

TABLE 17—Continued
Value of Landings and Shipments by Port,* San Francisco Area, 1962

	Value	Pounds
Tomaes Bay		
Giant Pacific oyster.....	\$13,324	127,868
Pacific herring.....	6,829	784,869
All other.....	12,833	181,805
Totals.....	\$32,986	1,094,542
Clear Lake		
Hardhead.....	\$22,083	110,415
Carp.....	5,441	110,825
Totals.....	\$27,524	221,240
Turlock		
Carp.....	\$3,074	62,615
All other.....	2,289	11,152
Totals.....	\$5,363	73,767
All other ports		
All other.....	\$7,510	78,010
Totals.....	\$7,510	78,010

* Includes Sacramento area landings.

TABLE 18

Value of Landings and Shipments by Port, Monterey Area, 1962

	Value	Pounds
MONTEREY AREA TOTALS	\$1,181,675	19,642,526
Moss Landing		
Albacore.....	\$336,274	2,338,483
Salmon.....	130,295	214,972
Sardine.....	50,439	1,601,235
Jack mackerel.....	36,855	1,510,467
Pacific herring.....	31,309	372,287
Anchovy.....	17,243	857,860
Squid.....	8,988	420,000
Rockfish.....	5,076	57,798
All other.....	16,823	191,561
Totals.....	\$633,302	7,564,663
Monterey		
Rockfish.....	\$147,786	2,770,384
Squid.....	111,983	5,232,857
Albacore.....	49,823	346,474
Sardine.....	30,566	970,363
Salmon.....	27,690	45,685
Petrale sole.....	19,987	166,556
English sole.....	19,530	268,644
Jack mackerel.....	13,080	535,410
Sablefish.....	12,173	227,956
Sanddab.....	8,391	117,363
Anchovy.....	6,093	303,134
Pacific herring.....	5,338	63,471
Rex sole.....	5,207	101,900
All other.....	25,126	408,810
Totals.....	\$482,773	11,559,007
Santa Cruz		
Salmon.....	\$28,918	47,712
California halibut.....	7,372	30,177
Sablefish.....	6,901	129,226
All other.....	22,409	311,741
Totals.....	\$65,600	518,856

TABLE 19

Value of Landings by Port, Santa Barbara Area, 1962

	Value	Pounds
SANTA BARBARA AREA TOTALS	\$1,474,948	29,322,734
Morro Bay		
Abalone	\$194,361	1,212,498
Albacore	132,644	961,885
Rockfish	74,526	1,328,998
Sardine	44,973	1,252,725
Petrale sole	31,103	265,841
Giant Pacific oyster	21,253	1,062,605
Salmon	16,275	23,776
Jack mackerel	12,331	681,277
Miscellaneous (animal food)	8,844	442,200
Rex sole	5,973	94,515
All other	21,949	268,723
Totals	\$564,232	7,595,043
Santa Barbara		
Abalone	\$181,359	1,198,997
Spiny lobster	60,785	89,548
English sole	31,325	473,187
California halibut	27,870	120,965
Petrale sole	26,917	230,058
Rockfish	23,461	502,000
Miscellaneous (animal food)	14,820	740,975
Salmon	11,929	17,981
White seabass	10,546	27,981
Rock crab	8,018	111,059
California barracuda	7,078	46,141
Shark	6,687	83,822
Rex sole	5,224	82,658
All other	4,557	61,919
Totals	\$420,576	3,787,291
Port Hueneme		
Jack mackerel	\$160,923	8,890,749
Pacific mackerel	86,038	4,860,904
Abalone	34,762	242,118
Sardine	33,120	922,549
Squid	21,694	1,954,400
Rockfish	5,051	64,126
All other	7,556	34,885
Totals	\$349,144	16,969,731
Avila		
Salmon	\$44,347	66,848
Petrale sole	16,007	136,812
Rockfish	6,630	125,513
Abalone	6,101	38,765
Rex sole	5,506	87,124
Dover sole	5,180	86,325
All other	15,952	257,219
Totals	\$99,723	798,606
Ventura		
Spiny lobster	\$18,750	27,622
All other	1,513	11,900
Totals	\$20,263	39,522
Gaviota		
Abalone	\$15,725	98,100
Totals	\$15,725	98,100
All other ports		
All other	\$5,285	34,441
Totals	\$5,285	34,441

TABLE 20

Value of Landings and Shipments by Port, Los Angeles Area, 1962

	Value	Pounds
LOS ANGELES AREA TOTALS	\$54,165,442	462,988,856
Terminal Island		
Yellowfin tuna	\$27,063,309	164,922,896
Albacore	9,165,810	49,973,869
Skipjack	9,157,481	71,507,563
Bluefin tuna	4,226,975	30,098,026
Jack mackerel	1,348,158	64,198,002
Pacific mackerel	714,674	33,240,636
Sardine	235,585	7,550,802
Bigeye tuna	72,842	503,051
Pacific bonito	31,625	1,109,656
Squid	14,885	1,055,679
Pismo clam	9,509	422,640
All other	2,074	18,624
Totals	\$52,042,927	424,601,444
San Pedro		
Bluefin tuna	\$115,845	825,105
White seabass	104,282	339,350
Sardine	91,162	2,921,869
California barracuda	88,173	599,409
Spiny lobster	65,618	94,373
Giant sea bass	64,214	392,026
Jack mackerel	63,177	3,008,428
Pacific mackerel	62,901	2,925,640
Grouper	59,808	290,613
Rockfish	53,401	438,073
California halibut	46,714	187,080
Albacore	42,931	254,633
Yellowfin tuna	39,654	261,914
Anchovy	21,699	1,373,340
White croaker	18,315	576,688
Pacific bonito	14,253	500,122
Shark	13,512	110,796
California yellowtail	11,038	123,057
Squid	9,846	698,325
Pacific pompano	9,461	30,940
Salmon	6,025	11,263
Swordfish	5,567	10,598
All other	14,679	139,939
Totals	\$1,022,275	16,113,581
Newport Beach		
Abalone	\$123,887	1,054,514
Jack mackerel	80,269	3,822,310
Spiny lobster	38,461	55,316
Pacific mackerel	37,021	1,721,898
Shark	21,999	173,175
California halibut	19,331	77,416
Albacore	10,003	59,330
Swordfish	8,675	16,514
Wahoo	7,668	22,533
All other	4,467	86,785
Totals	\$351,781	7,089,791
Wilmington		
Jack mackerel	\$153,759	7,321,854
Pacific mackerel	124,204	5,776,907
Pacific bonito	10,250	359,664
All other	6,495	138,009
Totals	\$294,708	13,596,434
Los Angeles		
Salmon	\$170,202	207,735
Sablefish	28,759	134,449
All other	70,889	271,798
Totals	\$269,850	613,982

TABLE 20—Continued
Value of Landings and Shipments by Port, Los Angeles Area, 1962

	Value	Pounds
Long Beach		
Bluefin tuna.....	\$33,291	237,116
Albacore.....	27,499	163,104
Spiny lobster.....	22,715	32,670
Rockfish.....	5,788	43,686
All other.....	4,967	136,838
Totals.....	\$94,260	613,414
Santa Monica		
Spiny lobster.....	\$13,217	19,008
California halibut.....	12,261	49,104
All other.....	17,431	139,261
Totals.....	\$42,909	207,373
San Clemente		
Spiny lobster.....	\$30,649	44,080
Totals.....	\$30,649	44,080
Redondo Beach		
Rock crab.....	\$5,707	52,649
All other.....	5,949	37,844
Totals.....	\$11,656	90,493
All other ports		
All other.....	\$4,427	18,264
Totals.....	\$4,427	18,264

TABLE 21

Value of Landings and Shipments by Port, San Diego Area, 1962

	Value	Pounds
SAN DIEGO AREA TOTALS	\$11,080,707	74,333,457
San Diego		
Yellowfin tuna.....	\$4,804,072	31,605,109
Skipjack.....	3,521,076	27,139,692
Albacore.....	2,231,153	12,425,870
Bluefin tuna.....	163,255	1,254,997
Spiny lobster.....	69,416	103,528
California halibut.....	65,135	268,930
White seabass.....	47,684	163,975
Rockfish.....	41,721	366,760
Abalone.....	28,828	286,516
Shark.....	12,719	119,438
Sculpin.....	12,692	45,688
Giant sea bass.....	8,245	51,276
California barracuda.....	7,853	54,689
California yellowtail.....	5,131	65,402
Pacific bonito.....	5,103	132,085
All other.....	18,315	120,206
Totals.....	\$11,042,398	\$74,204,161
La Jolla		
Spiny lobster.....	\$22,742	33,918
All other.....	828	10,061
Totals.....	\$23,570	43,979
Oceanside		
Spiny lobster.....	\$3,088	4,606
All other.....	5,327	37,069
Totals.....	\$8,415	41,675
All other ports		
All other.....	\$6,324	43,642
Totals.....	\$6,324	43,642

TABLE 22
Statewide Commercial Partyboat Catch by Species
(Not including anchored barges)
1953-1962 *

Species	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Barracuda, California	170,550	282,552	154,062	87,603	577,184	782,723	1,105,585	755,408	391,884	335,507
Bass, kelp and sand	711,400	876,967	497,343	470,362	609,071	623,671	428,326	478,656	613,604	789,140
Bonito, Pacific	6,321	70,778	32,409	61,404	258,555	422,571	776,386	1,109,919	849,426	798,725
Cabezon	9,650	12,132	12,366	18,195	14,479	9,909	8,329	2,516	2,659	4,538
Halibut, California	34,280	59,674	35,802	21,661	10,793	16,192	25,365	48,310	108,011	118,966
Lingcod	13,011	22,940	29,113	37,649	38,012	39,801	31,206	28,232	23,466	25,399
Mackerel, jack	196,280	19,437	39,473	23,493	6,878	27,867	11,820	8,537	28,821	9,029
Mackerel, Pacific	61,467	313,637	151,018	121,156	151,960	136,667	88,952	79,370	113,988	116,738
Rockfish	696,475	1,148,367	1,737,707	2,036,708	1,396,131	1,561,132	1,777,379	1,013,673	898,641	966,438
Salmon	98,723	119,911	128,978	114,505	44,701	52,676	55,945	37,941	42,965	87,612
Sculpin	28,952	33,462	28,613	36,558	13,473	13,743	11,477	15,111	26,672	33,314
Seabass, white	27,603	41,588	30,103	19,755	19,030	34,059	10,593	15,697	14,082	14,564
Sheephead, California	17,349	21,499	14,102	14,789	15,105	18,120	17,146	11,541	15,210	13,488
Tuna, albacore	23,363	20,098	78,688	65,814	41,540	6,482	39	76,075	184,891	229,314
Tuna, bluefin	4,276	966	8,179	34,157	6,428	884	1,330	97	2,268	2,453
Whitefish, ocean	4,963	9,952	9,508	7,951	4,389	6,143	5,608	5,850	6,647	6,157
Yellowtail, California	27,702	40,872	36,468	29,198	242,686	123,354	457,350	254,969	42,367	21,826
All others	147,783	177,335	99,051	62,027	50,148	44,939	28,039	56,132	87,981	92,776
Total number of fish	2,280,158	3,274,537	3,113,883	3,262,995	3,499,585	3,950,880	4,323,575	4,090,034	3,453,633	3,655,993
Number of angler days†	502,146	532,190	496,286	523,063	536,175	515,152	557,154	516,255	495,805	---
Number of anglers	---	---	---	---	---	---	---	637,498	593,916	595,866

* See Fish Bulletin #121 for historical records 1936-1961.

† Not available after 1961.

TABLE 23
Recorded Catch of Live Bait for Saltwater Sportfishing, 1962

Species	Thousands of pounds*
Anchovy.....	12,333
Sardine, adult.....	20
Sardine, juvenile.....	17
Miscellaneous†.....	67
Total pounds.....	12,437

* Using a conversion factor of 12.5 pounds per live bait scoop, weights are estimated from voluntary records submitted by 20 boats. The weight of a scoop of live bait varies between 10 and 15 pounds. The records represent almost all the live bait landings, however, they should be regarded as minimal.

† Consists primarily of queenfish and white croaker.

